V-TAC
Meaningful Innovation.

PHOTOVOLTAICS CATALOGUE | Q1

2027



V-TAC
Meaningful Innovation.

POWERING A **SUSTAINABLE FUTURE**

V-TAC continues to evolve with the changing energy landscape, bringing together innovative technologies for cleaner, smarter and more efficient power.

Our growing solar energy portfolio covers solutions for residential, commercial and industrial applications — from solar generation and intelligent power conversion to energy storage, EV charging and portable power.

With an established international presence and a strong network of partners, V-TAC delivers practical energy solutions designed for today and built for tomorrow.

Global
Warehouses

Residential • Commercial • Industrial
Energy Solutions

75+
Countries

COMPLETE
Solar Ecosystem


V-TAC



ENERGY SOLUTIONS
FOR EVERY APPLICATION

From individual homes to commercial facilities and portable applications, V-TAC offers a broad range of solar and energy solutions designed around different power requirements.

RESIDENTIAL ENERGY

Smart solar generation, hybrid inverters, battery storage and EV charging for efficient, connected homes.

COMMERCIAL & INDUSTRIAL

Scalable inverter and energy storage solutions designed to support larger energy demands and commercial applications.

EV & SMART ENERGY

Intelligent charging and energy-management solutions that connect renewable power with electric mobility

PORTABLE & OFF-GRID

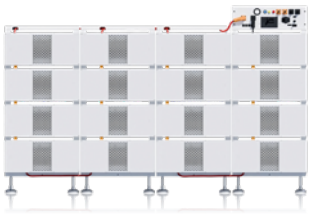
Portable power stations and folding solar panels provide convenient energy for travel, outdoor activities, backup power and mobile work.

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LOW VOLTAGE BATTERY STORAGE

Designed for residential and small-scale energy storage, V-TAC low-voltage batteries provide safe, reliable and flexible power storage for modern solar systems.

With LiFePO4 technology, intelligent battery management and scalable capacities, these solutions help maximize solar energy use, provide dependable backup power and reduce reliance on the grid.

Ideal for:
Home Energy Storage • Solar Self-Consumption • Backup Power • Off-Grid Systems





Wall-Mountable Battery

LOW VOLTAGE

- Self-designed BMS meets international design certification standards
- LiFePO4 cells provide safe and reliable battery operation
- 6000-cycle life at 80% depth of discharge
- High-rate charge and discharge current reaches 100 A
- Modular design enables simple and flexible capacity expansion

MODEL	VT48100E-W
SKU	11526
Nominal Energy	**5.12 kWh**
Battery Module Qty	1
Cell Chemistry	LiFePO4
Rated Capacity	100 Ah
Nominal Voltage	51.2 V
Operating Voltage	43.2 — 57.6 V
Max. Charge Current	100 A
Max. Discharge Current	100 A
Recommended DoD	80% (cycle test)
Cycle Life	≥6000 cycles
Communication	CAN/RS485
IP Rating	IP20
Warranty	10 Years
Dimensions	443×450×150 mm
Weight	43 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW Rack-Mountable Lithium Battery

LOW VOLTAGE

- High-quality LFP cells deliver reliable battery performance
- High-rate charge and discharge current reaches 100 A
- High efficiency during both charging and discharging cycles
- Multiple patented protection methods enhance overall system safety
- High performance BMS

MODEL	VT-91600	VT-91600
SKU	12718 | White	12684 | Black
Nominal Energy	**9.6 kWh**	**9.6 kWh**
Battery Module Qty	1	1
Cell Chemistry	Lithium-ion	Lithium-ion
Rated Capacity	200 Ah	200 Ah
Nominal Voltage	48 V	48 V
Operating Voltage	40.5 — 54 V	40.5 — 54 V
Max. Charge Current	100 A	100 A
Max. Discharge Current	100 A	100 A
Recommended DoD	90%	90%
Cycle Life	≥6000 cycles	≥6000 cycles
Communication	CAN	CAN
IP Rating	IP20	IP20
Dimensions	505×490×228 mm	505×490×228 mm
Weight	75 kg	75 kg
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Rack-Mountable Lithium Battery

LOW VOLTAGE

- Self-designed BMS meets international design certification standards
- LiFePO4 cells provide safe and reliable battery operation
- 6000-cycle life at 90% depth of discharge
- High-rate charge and discharge current reaches 100 A
- Modular design enables simple and flexible capacity expansion
- Comes complete with all accessories: nothing extra to buy





MODEL	VT-51201-W	VT-51201-B
SKU	12323 | White	12327 | Black
Nominal Energy	5.12 kWh	5.12 kWh
Battery Module Qty	1	1
Cell Chemistry	LiFePO4	LiFePO4
Rated Capacity	100 Ah	100 Ah
Nominal Voltage	51.2 V	51.2 V
Operating Voltage	44.8 V ~ 57.6 V	44.8 V ~ 57.6 V
Max. Charge Current	100 A	100 A
Max. Discharge Current	100 A	100 A
Recommended DoD	90% (cycle test)	90% (cycle test)
Cycle Life	≥6000 cycles	≥6000 cycles
Communication	CAN/RS485	CAN/RS485
IP Rating	IP20	IP20
Warranty	10 Years	10 Years
Dimensions	440×540×133 mm	440×540×133 mm
Weight	44 kg	44 kg
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Rack-Mountable Lithium Battery

LOW VOLTAGE

- High-quality LFP cells deliver reliable battery performance
- High-rate charge and discharge current reaches 100 A
- High efficiency during both charging and discharging cycles
- Multiple patented protection methods enhance overall system safety
- Intelligent BMS anti-theft protection with optional LCD display

MODEL	VT-48200B			
SKU	Battery: 11523	Storage Battery Rack Max 3 Layers: 11557	Top Cover: 11559	Slave Battery to Battery Cable Kit: 116292
Nominal Energy	9.6 kWh			
Battery Module Qty	1			
Cell Chemistry	LiFePO4			
Rated Capacity	200 Ah			
Nominal Voltage	48.0 V			
Operating Voltage	40.5 - 54 V			
Max. Charge Current	100 A			
Max. Discharge Current	100 A			
Recommended DoD	80% (cycle test)			
Cycle Life	≥6000 cycles			
Communication	CAN/RS485			
IP Rating	IP20			
Warranty	10 Years			
Dimensions	442×490×222 mm			
Weight	78 kg			
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NEW Floor-Mountable Designer Battery

LOW VOLTAGE

- High energy density enables compact, efficient battery storage
- Maintenance-free design reduces servicing throughout operational life
- Lasts three times longer than ordinary lead-acid batteries
- Excellent temperature characteristics ensure stable battery performance
- Integrated hot-aerosol fire extinguishing device improves safety
- High-performance BMS delivers reliable battery management and protection

MODEL	VT-48290
SKU	12765
Nominal Energy	16.07 kWh
Battery Module Qty	1
Cell Chemistry	Lithium-ion
Rated Capacity	314 Ah
Nominal Voltage	51.2 V
Operating Voltage	43.2-57.6 V
Max. Charge Current	150 A
Max. Discharge Current	150 A
Recommended DoD	90%
Cycle Life	≥7000 cycles
Communication	CAN
IP Rating	IP20
Warranty	10 Years
Dimensions	630×240×690 mm
Weight	114 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW Designer LiFePO4 Battery IP65

LOW VOLTAGE

- High energy density enables compact, efficient battery storage
- Maintenance-free design reduces servicing throughout operational life
- Lasts three times longer than ordinary lead-acid batteries
- Excellent temperature characteristics ensure stable battery performance
- Integrated hot-aerosol fire extinguishing device improves safety
- High-performance BMS delivers reliable battery management and protection

MODEL	VT-12040-1
SKU	12766
Nominal Energy	**10.24 kWh**
Battery Module Qty	1
Cell Chemistry	Lithium-ion
Rated Capacity	200 Ah
Nominal Voltage	51.2 V
Operating Voltage	43.2 — 57.6 V
Max. Charge Current	100 A
Max. Discharge Current	100 A
Recommended DoD	90%
Cycle Life	≥6000 cycles
Communication	CAN
IP Rating	IP65
Warranty	10 Years
Dimensions	460×265×800 mm
Weight	95.8 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW Floor-Mountable Battery

LOW VOLTAGE

- Intelligent heating system supports reliable cold-weather operation
- Long-life LiFePO4 technology improves durability and service life
- Built-in fire suppression enhances battery system safety
- Intelligent BMS protection safeguards battery during operation
- Maintenance-free operation reduces servicing and ownership requirements
- Expandable system supports up to fifteen batteries

MODEL	VT-48290	VT-48290
SKU	12788-Intelligent heating system	12789
Nominal Energy	16.07 kWh	16.07 kWh
Battery Module Qty	1	1
Cell Chemistry	Lithium-ion	Lithium-ion
Rated Capacity	314 Ah	314 Ah
Nominal Voltage	51.2 V	51.2 V
Operating Voltage	43.2 — 57.6 V	43.2 — 57.6 V
Max. Charge Current	150 A	150 A
Max. Discharge Current	150 A	150 A
Recommended DoD	90%	90%
Cycle Life	≥7000 cycles	≥7000 cycles
Communication	CAN	CAN
IP Rating	IP65	IP65
Warranty	10 Years	10 Years
Dimensions	680 x 240 x 710 mm	680 x 240 x 710 mm
Weight		
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Sleek LiFePO4 Battery

LOW VOLTAGE

- Quick setup simplifies installation and reduces commissioning time
- Sleek battery design provides a modern stylish appearance
- Seamless system integration enables fast and simple installation
- Parallel inverters and batteries enable incremental capacity expansion

MODEL	VT-51200	VT-10240	VT-16076
SKU	12278-White | 12281-Black	12279-White | 12282-Black	12334-White | 12335-Black
Nominal Energy	5.12 kWh	10.24 kWh	16.07 kWh
Battery Module Qty	1	1	1
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4
Rated Capacity	100 Ah	200 Ah	314 Ah
Nominal Voltage	51.2 V	51.2 V	51.2 V
Operating Voltage	43.2 — 57.6 V	43.2 — 57.6 V	43.2 — 57.6 V
Max. Charge Current	100 A	100 A	150 A
Max. Discharge Current	100 A	100 A	150 A
Recommended DoD	90%	90%	90%
Cycle Life	≥6000 cycles	≥6000 cycles	≥7000 cycles
Communication	CAN	CAN	CAN
IP Rating	IP20	IP20	IP20
Warranty	10 Years	10 Years	10 Years
Dimensions	408×168×755 mm	425×242×815 mm	510×242×862 mm
Weight			
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



NEW Ultra-Thin Wall-Mountable Battery

LOW VOLTAGE

- Quick setup simplifies installation and reduces commissioning time
- Sleek battery design provides a modern stylish appearance
- Cycle life ≥8000 @25°C DOD 90%
- Seamless system integration enables fast and simple installation
- Parallel inverters and batteries enable incremental capacity expansion

MODEL	VT-14033	VT-14033
SKU	12713	12714
Nominal Energy	14.33 kWh	14.33 kWh
Battery Module Qty	1	1
Cell Chemistry	Lithium-ion	Lithium-ion
Rated Capacity	280 Ah	280 Ah
Nominal Voltage	51.2 V	51.2 V
Operating Voltage	43.2 — 57.6 V	43.2 — 57.6 V
Max. Charge Current	140 A	140 A
Max. Discharge Current	140 A	140 A
Recommended DoD	90%	90%
Cycle Life	≥8000 cycles @25°C	≥8000 cycles @25°C
Communication	CAN	CAN
IP Rating	IP20	IP20
Warranty	10 Years	10 Years
Dimensions	660×154×900 mm	660×154×900 mm
Weight		
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Wall-Mountable Battery

LOW VOLTAGE

- Intelligent BMS monitoring provides comprehensive battery protection
- Integrated overcurrent protection improves battery system safety
- A-grade LFP cells provide safe, reliable battery performance
- Built-in app monitors and tracks remaining battery capacity
- 6000-cycle lifespan supported by a ten-year warranty

MODEL	VE51100W	VE51280W
SKU	11524	11525
Nominal Energy	5.12 kWh	14.33 kWh
Battery Module Qty	1	1
Cell Chemistry	LiFePO4	LiFePO4
Rated Capacity	100 Ah	280 Ah
Nominal Voltage	51.2 V	51.2 V
Operating Voltage	43.2-57.6 V	43.2-57.6 V
Max. Charge Current	100 A	150 A
Max. Discharge Current	100 A	150 A
Recommended DoD	80% (cycle test)	80% (cycle test)
Cycle Life	≥6000 cycles	≥6000 cycles
Communication	CAN / RS-485	CAN / RS-485
IP Rating	IP65	IP65
Warranty	10 Years	10 Years
Dimensions	410×665×207 mm	607.5×842×261.5 mm
Weight	51.5 kg	123.5 kg
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Lithium Battery

LOW VOLTAGE

- High energy density enables compact, efficient battery storage
- Maintenance-free operation reduces servicing and ownership requirements
- Long cycle life supports extended battery service
- Intelligent BMS protection safeguards battery during operation
- RS485 and CAN communication enable system integration
- Expandable system supports up to fifteen batteries

MODEL	VT-10242W	VT-14330
SKU	12653	12681
Nominal Energy	10.24 kWh	14.33 kWh
Battery Module Qty	1	1
Cell Chemistry	LiFePO4	LiFePO4
Rated Capacity	200 Ah	280 Ah
Nominal Voltage	51.2 V	51.2 V
Operating Voltage	32-57.6 V	32-57.6 V
Max. Charge Current	100 A	150 A
Max. Discharge Current	100 A	150 A
Recommended DoD	90%	90%
Cycle Life	≥5000 cycles @25°C	≥6000 cycles @25°C
Communication	CAN	CAN
IP Rating	IP65	IP65
Warranty	10 Years	10 Years
Dimensions	460×265×800 mm	500×260×859 mm
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HIGH VOLTAGE BATTERY STORAGE

V-TAC's high-voltage battery systems are engineered for larger commercial and industrial energy storage applications where higher capacity, power and scalability are required.

Modular battery architecture, advanced BMS protection and expandable system configurations deliver efficient energy management, dependable performance and flexible storage for demanding installations.

Ideal for:
Commercial Buildings • Industrial Facilities • Warehouses • Large Solar Systems • Energy Backup





61.44 kWh Battery Set Deye

HIGH VOLTAGE

- Battery stays below 40°C during rated-power operation
- Integrated BMS technology includes redundant power supply design
- Designed for high-rate cyclic charging and discharging applications
- LFP battery includes an aerosol fire-extinguishing solution
- Expandable battery system supports capacities up to 360kWh
- Detects combustible gas, smoke and abnormal temperature

MODEL	VT-GE-F60
SKU	11900
Nominal Energy	**61.44 kWh**
Battery Module Qty	12 | 5.12 kWh
Cell Chemistry	LiFePO4
Rated Capacity	100 Ah
Nominal Voltage	614.4 V
Operating Voltage	499.2-700 V
Max. Charge Current	100 A
Max. Discharge Current	125 A
Recommended DoD	90%
Cycle Life	≥6000 cycles
Communication	CAN2.0 / RS485
IP Rating	IP65 after stacking / IP20 without stacking
Warranty	10 Years
Dimensions	589×590×2240 mm
Weight	628 kg
Datasheet QR Code/Link	Scan QR or Click Here



Stackable LiFePO4 Batteries

- Self-ventilation reduces system noise during normal operation
- Non-toxic, non-polluting materials support environmentally friendly operation
- Advanced battery management system provides enhanced protection
- Intelligent design integrates a dedicated inspection module

MODEL	VT-OHS20K-100	VT-OHS25K-100	VT-OHS30K-100	VT-OHS35K-100	VT-OHS40K-100
SKU	120024	120025	120026	120027	120028
Nominal Energy	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh
Battery Module Qty	4 | 5.12 kWh	5 | 5.12 kWh	6 | 5.12 kWh	7 | 5.12 kWh	8 | 5.12 kWh
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Rated Capacity	100 Ah	100 Ah	100 Ah	100 Ah	100 Ah
Nominal Voltage	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	172.8 - 230.4 V	216 - 288 V	259.2 - 345.6 V	302.4 - 403.2 V	345.6 - 460.8V
Max. Charge Current	40 A	40 A	40 A	40 A	40 A
Max. Discharge Current	40 A	40 A	40 A	40 A	40 A
Recommended DoD	80%	80%	80%	80%	80%
Cycle Life	≥6000 cycles	≥6000 cycles	≥6000 cycles	≥6000 cycles	≥6000 cycles
Communication	CAN	CAN	CAN	CAN	CAN
IP Rating	IP65	IP65	IP65	IP65	IP65
Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
Dimensions	590×420×849 mm	590×420×1000 mm	590×420×1151 mm	590×420×1302 mm	590×420×1453 mm
Weight	222.4 kg	270.9 kg	319.4 kg	367.9 kg	416.4 kg
Datasheet QR Code/ Link	Scan QR or Click Here				

High Voltage Battery Cluster Control Box

SKU	12151
Nominal Charge/Discharge Current	40 A
Peak Discharge Current	50 A
Charge Temperature	-10~55°C
Operating Voltage	120-750 Vdc
Dimension (W/D/H)	590×420×165 mm
Weight Approximate	16.1 kg



Li-ion Battery Module

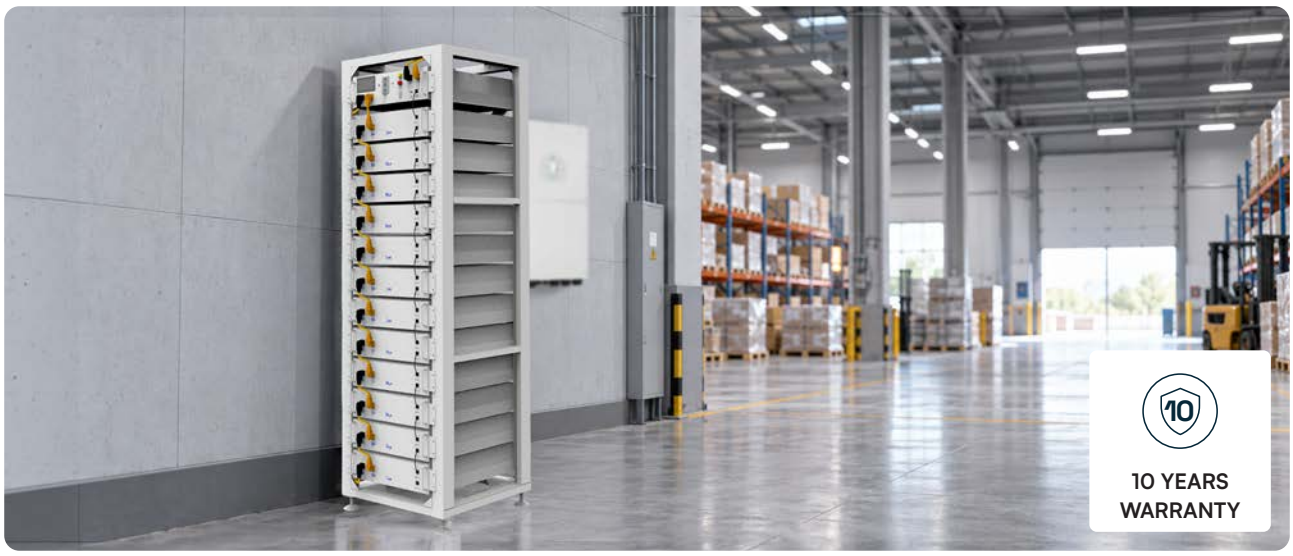
SKU	12002
Battery Type	LiFePO4
Nominal Voltage	51.2 V
Rated Capacity	100 Ah
Nominal Charge/Discharge Current	40 A
Peak Discharge Current	50 A
Charge Temperature	-10 °C~ 55°C
Dimensions (W × D × H)	590×420×194 mm
Weight Approximate	45.6 kg



Battery Module Base

SKU	12152
Dimension (W/D/H)	590×420×80 mm
Approx. Weight	8.5 kg





61.44 kWh HV Battery Set Deye

HIGH VOLTAGE

- Module design simplifies both installation and routine maintenance
- Protects against over-discharge, overcharge, overcurrent and temperature
- Non-toxic, non-polluting design supports environmentally friendly operation
- LiFePO4 cathode provides safe performance and long life
- Parallel battery modules expand total capacity and power

MODEL	HV Battery System	5.12kWh LiFePO4 Battery	High Voltage Battery Cluster Control Box	19-inch Rack for Deye Set
SKU	11994	11862	11863	11867
Nominal Energy	61.44 kWh			
Battery Module Qty	12 | 5.12 kWh			
Cell Chemistry	LiFePO4			
Rated Capacity	100 Ah			
Nominal Voltage	614.4 V			
Operating Voltage	499.2-700 V			
Max. Charge Current	100 A			
Max. Discharge Current	125 A			
Recommended DoD	90%			
Cycle Life	≥6000 cycles			
Communication	CAN2.0 / RS485			
IP Rating	IP20			
Warranty	10 Years			
Dimensions	530×602×2219 mm			
Weight	622 kg			
Datasheet QR Code/Link	Scan QR or Click Here			



81.92 kWh HV Battery BOS-G Pro System

HIGH VOLTAGE

- Module design simplifies both installation and routine maintenance
- Protects against over-discharge, overcharge, overcurrent and temperature
- Non-toxic, non-polluting design supports environmentally friendly operation
- LiFePO4 cathode provides safe performance and long life
- Parallel battery modules expand total capacity and power

MODEL	BOS-G Pro System	5.12kWh BOS-G-Pack 5.1 Battery	Battery Cluster Control Box	Battery Rack
SKU	12355	12346	12347	12301
Nominal Energy	81.92 kWh			
Battery Module Qty	16 | 5.12 kWh			
Cell Chemistry	LiFePO4			
Rated Capacity	100 Ah			
Nominal Voltage	819.2 V			
Operating Voltage	704-934.4 V			
Max. Charge Current	Recommend: 50 A | Nominal:100 A			
Max. Discharge Current	Peak Discharge (2 mins, 25□):125 A			
Recommended DoD	90%			
Cycle Life	≥6000 cycles			
Communication	CAN2.0 / RS485			
IP Rating	IP20			
Warranty	10 Years			
Dimensions	1060×602×1629 mm			
Weight	837 kg			
Datasheet QR Code/Link	Scan QR or Click Here			



100 kWh Rechargeable Li-ion Battery Set

HIGH VOLTAGE

- Compact footprint combines small volume with high power-density
- Dual fire-fighting protection covers pack and system
- Three-level explosion protection covers cells, packs and system
- Two-level BMS redundancy enhances safe system management
- Smart liquid cooling provides efficient heat dissipation
- Multi-level linkage design enables intelligent control and protection

MODEL	VT-OHR100.3K-280
SKU	12683
Nominal Energy	**100.35 kWh**
Battery Module Qty	7 | 14.33 kWh
Cell Chemistry	LiFePO4
Rated Capacity	280 Ah
Nominal Voltage	358.4 V
Operating Voltage	313.6-408.8 V
Max. Charge Current	140 A
Max. Discharge Current	140 A
Cycle Life	≥6000 cycles
Communication	CAN
Warranty	10 Years
IP Rating	IP55
Dimensions	985×1367×2169 (without inverter) mm
Weight	~1400 kg
Datasheet QR Code/Link	Scan QR or Click Here



105 kWh Battery System

HIGH VOLTAGE

- Module design simplifies both installation and routine maintenance
- Protects against over-discharge, overcharge, overcurrent and temperature
- Non-toxic, non-polluting design supports environmentally friendly operation
- LiFePO4 cathode provides safe performance and long life
- Parallel battery modules expand total capacity and power

MODEL	VT-OHR105.4K-206	10.54 kWh Rechargeable Li-ion Battery Module	High Voltage Battery Cluster Control Box	Rack for 10 Batteries + BMS
SKU	12297	12259	12261	12260
Nominal Energy	105.4 kWh			
Battery Module Qty	10 | 10.54 kWh			
Cell Chemistry	LiFePO4			
Rated Capacity	206 Ah			
Nominal Voltage	512 V			
Operating Voltage	464-568 V			
Max. Charge Current	100 A			
Max. Discharge Current	100 A			
Cycle Life	≥6000 cycles			
Communication	CAN/RS485			
Warranty	10 Years			
IP Rating	IP20			
Dimensions	1200×620×1870 mm			
Weight	1029 kg			
Datasheet QR Code/Link	Scan QR or Click Here			



NEW 120 kWh Battery Set Deye

HIGH VOLTAGE

- Single-cluster capacity scales from 60 kWh up to 192 kWh
- Designed for small and medium commercial and industrial applications
- Supports continuous discharge currents up to 230 A
- Cell thermal isolation with pack-level aerosol fire suppression
- Intelligently optimizes power consumption strategies for efficiency
- 24/7 monitoring enables fault diagnosis and remote upgrades

MODEL	GB-W-Pack12-2-A3
SKU	12821
Nominal Energy	**120 kWh**
Battery Module Qty	10 | 12.03 kWh
Cell Chemistry	LiFePO4
Rated Capacity	235 Ah
System Nominal Voltage	512 V
Operating Voltage	416-584 V
Max. Charge Current	230 A
Max. Discharge Current	230 A
Recommended DoD	90%
Cycle Life	≥6000 cycles
Communication	CAN / RS485 (system)
IP Rating	IP20
Warranty	10 Years
Dimensions	PDU: 690×436×151.2; Battery pack: 690×436×270; Top cover: 690×436×90; Base: 690×436×117; mm
Weight	PDU: 20.8 kg; Battery pack: 93 kg; Top cover: 6 kg; Base: 14 kg;
Datasheet QR Code/Link	Scan QR or Click Here



161.28 kWh HV Battery Set Deye

HIGH VOLTAGE

- Protects against over-discharge, overcharge, overcurrent and temperature
- Supports high-current output up to 160 A continuously
- Supports 7—21 packs, 50—100 kW inverter, 54—161 kWh battery systems
- Safe LFP battery with intelligent BMS protection
- Connects directly to two inverter DC interfaces
- Auto-managed charging/discharging with cell voltage balancing for stability

MODEL	BOS-A	7.68 kWh BOS-A-PACK Battery	Battery Cluster Control Box	Battery Rack
SKU	12657	12635	12636	12639
Nominal Energy	161.28 kWh			
Battery Module Qty	21 | 7.68 kWh			
Cell Chemistry	LiFePO4			
Rated Capacity	200 Ah			
Nominal Voltage	806.4 V			
Operating Voltage	705.6-919.8 V			
Max. Charge Current	160 A			
Max. Discharge Current	160 A			
Recommended DoD	90%			
Cycle Life	≥6000 cycles			
Communication	CAN2.0			
IP Rating	IP20			
Warranty	10 Years			
Dimensions	(610 x 610 x 1900 mm) x 2			
Weight	1586 kg			
Datasheet QR Code/Link	Scan QR or Click Here			



NEW 257 kWh Battery Set Deye

HIGH VOLTAGE

- Fast and reliable switching ensures seamless power transfer
- Advanced energy storage supports reliable system performance
- Intelligent control optimizes battery and system operation
- Efficient PV integration maximizes renewable energy utilization
- Rugged and reliable design supports demanding applications
- High performance and scalability support growing energy needs

MODEL	BOS-B-A3
SKU	12820
Nominal Energy	**257 kWh**
Battery Module Qty	16 | 16.08 kWh
Cell Chemistry	Lithium-ion
Rated Capacity	314 Ah
Nominal Voltage	819.2V
Operating Voltage	665.6-934.4 V
Max. Charge Current	180 A
Max. Discharge Current	180 A
Cycle Life	≥6000 cycles
Communication	Wi-Fi, RS485, CAN, Meter
IP Rating	IP20
Warranty	10 Years
Dimensions	2150×1305×800 mm
Weight	2240 kg
Datasheet QR Code/Link	Scan QR or Click Here



233 / 261 kWh Battery Set Deye

HIGH VOLTAGE

- Compact footprint combines small volume with high power-density
- Dual fire-fighting protection covers pack and system
- Three-level explosion protection covers cells, packs and system
- Two-level BMS redundancy enhances safe system management
- Smart liquid cooling provides efficient heat dissipation
- Multi-level linkage design enables intelligent control and protection

MODEL	VT-OHL-233	VT-OHL-261
SKU	12328	12676
Nominal Energy	232.96 kWh	261.245 kWh
Battery Module Qty	5 | 46.59 kWh	5 | 52.249 kWh
Cell Chemistry	LiFePO4	LiFePO4
Rated Capacity	280 Ah	314 Ah
Nominal Voltage	832 V	832 V
Operating Voltage	728-949 V	728-949 V
Max. Charge Current	140 A	157 A
Max. Discharge Current	140 A	157 A
Cycle Life	≥6000 cycles	≥6000 cycles
Communication	CAN	CAN
IP Rating	IP65	IP65
Warranty	10 Years	10 Years
Dimensions	1100×1400×2105 mm	1100×1400×2105 mm
Weight	~2700 kg	~2700 kg
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here

V-TAC
Meaningful Innovation.

SOLAR INVERTERS

V-TAC's solar inverter range is designed to meet a wide variety of applications, from residential installations to large-scale commercial projects. By partnering with leading manufacturers such as Deye, Afore, and Sinexcel, we bring together proven technology, innovation, and performance to deliver reliable and efficient inverter solutions.

Built for high efficiency, dependable performance, and easy system integration, V-TAC inverters help maximise energy conversion while simplifying operation and monitoring. Backed by strict quality control and international certifications, they provide long-term reliability and confidence for modern solar energy systems.

Deye | Afore | solis | invt | SINEXCEL





Single Phase On-Grid String Inverter

- 1 MPPT tracker, Max. efficiency up to 97.5%
- String intelligent monitoring (optional)
- Anti-PID function (Optional)
- Zero export application, VSG application
- Wide output voltage range
- Low start-up voltage of 80V

MODEL	SUN-2K-G04P1-EU-AM1	SUN-3K-G04P1-EU-AM1	SUN-3.6K-G04P1-EU-AM1
SKU	11956	11957	11958
Rated Output Power (kW)	2 kW	3 kW	3.6 kW
Max. PV Input Power (kW)	2.6 kW	3.9 kW	4.7 kW
Max. PV Input Voltage (V)	550	550	550
MPPT Voltage Range	70-500	70-500	70-500
No. of MPPTs / Strings	1 / 1	1 / 1	1 / 1
Max. Efficiency	97.3%	97.5%	97.5%
IP Rating	IP65	IP65	IP65
Communication	RS485/RS232	RS485/RS232	RS485/RS232
Dimensions (mm)	280×310×184	280×310×184	280×310×184
Weight (kg)	4.8	4.8	4.8
Warranty	5 Years	5 Years	5 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Single Phase On-Grid Inverter

- Max. efficiency > 98.2%
- Fanless design / No-fan design.
- Two MPPT design
- Quick and easy installation
- Active and reactive power compensation with adjustable power factor
- High-quality power output and low THDI

MODEL	VT-HNS5000TL	VT-HNS6000TL
SKU	11979	11980
Rated Output Power (kW)	**5 kW**	**6 kW**
Max. PV Input Power (kW)	7 kW	8.4 kW
Max. PV Input Voltage (V)	600	600
MPPT Voltage Range	70-550	70-550
No. of MPPTs / Strings	2 / 2	2 / 2
Max. Efficiency	98.2%	98.2%
IP Rating	IP65	IP65
Communication	RS485 / Wi-Fi / Wired Ethernet / GPRS (optional)	RS485 / Wi-Fi / Wired Ethernet / GPRS (optional)
Dimensions (mm)	358×360×142	358×360×142
Weight (kg)	10	10
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Single Phase On-Grid Inverter

- Zero export function (Optional)
- Home-appliance design, easy to operate.
- External Inductor
- Max. efficiency up to 97.8%
- Aluminum casing, natural cooling, IP65 protection level.

MODEL	VT-6603105	VT-6603110	VT-6605105	VT-6605110
SKU	11369	11379	11370	11380
Rated Output Power (kW)	3 kW	3 kW	5 kW	5 kW
Max. PV Input Power (kW)	3.6 kW	3.6 kW	6 kW	6 kW
Max. PV Input Voltage (V)	600	600	600	600
MPPT Voltage Range	120-550	120-550	120-550	120-550
No. of MPPTs / Strings	2 / 1	2 / 1	2 / 1	2 / 1
Max. Efficiency	97.7%	97.7%	97.8%	97.8%
IP Rating	IP65	IP65	IP65	IP65
Communication	RS485	RS485	RS485	RS485
Dimensions (mm)	360×462×150	360×462×150	360×462×150	360×462×150
Weight (kg)	18	18	18	18
Warranty	5 Years	10 Years	5 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase On-Grid Inverter

- Zero export function (Optional)
- External Inductor
- Aluminum casing, natural cooling, IP65 protection level.
- Home-appliance design, easy to operate.
- Supports RS485, GPRS, Wi-Fi and Ethernet.
- Max efficiency can reach up to 98.3%

MODEL	VT-6605305	VT-6608305
SKU	11371	11372
Rated Output Power (kW)	**5 kW**	**8 kW**
Max. PV Input Power (kW)	5.7 kW	9 kW
Max. PV Input Voltage (V)	900	1000
MPPT Voltage Range	180-800	180-800
No. of MPPTs / Strings	2 / 1	2 / 1
Max. Efficiency	98.1%	98.3%
IP Rating	IP65	IP65
Communication	RS485; optional Wi-Fi / GPRS / Ethernet	RS485; optional Wi-Fi / GPRS / Ethernet
Dimensions (mm)	360×530×150	360×575×150
Weight (kg)	20	23
Warranty	5 Years	5 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase On-Grid Inverter

- 2 MPPT trackers, Max. efficiency up to 98.5%
- Wide output voltage range
- Zero export application, VSG application
- Anti-PID function (Optional)
- String intelligent monitoring (optional)

MODEL	SUN-6K-G06P3-EU-BM2-P1	SUN-10K-G06P3-EU-BM2-P1	SUN-15K-G06P3-EU-BM2-P1
SKU	12662	12663	12664
Rated Output Power (kW)	6 kW	10 kW	15 kW
Max. PV Input Power (kW)	9 kW	15 kW	22.5 kW
Max. PV Input Voltage (V)	1100	1100	1100
MPPT Voltage Range	120-1000	120-1000	120-1000
No. of MPPTs / Strings	2 / 1+1	2 / 1+2	2 / 1+2
Max. Efficiency	98.2%	98.3%	98.5%
IP Rating	IP65	IP65	IP65
Communication	RS485/RS232	RS485/RS232	RS485/RS232
Dimensions (mm)	283x525x178	283x525x178	283x525x178
Weight (kg)	11.5	11.5	11.5
Warranty	5 Years	5 Years	5 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase On-Grid Inverter

- Multi MPPT trackers
- 160% DC Input oversizing
- Smart I-V curve diagnosis supported
- Intelligent fault detection
- AFCI function (Optional)
- DC & AC type II SPD

MODEL	VT-6608310	VT-6610310
SKU	11382	11383
Rated Output Power (kW)	8 kW	10 kW
Max. PV Input Power (kW)	12.8 kW	16 kW
Max. PV Input Voltage (V)	1100	1100
MPPT Voltage Range	140-1000	140-1000
No. of MPPTs / Strings	2 / 1	2 / 1
Max. Efficiency	98.4%	98.7%
IP Rating	IP65	IP65
Communication	RS485 / USB; optional Wi-Fi / GPRS / Ethernet	RS485 / USB; optional Wi-Fi / GPRS / Ethernet
Dimensions (mm)	430×380×150	430×380×150
Weight (kg)	13.5	13.5
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase On-Grid Inverter

- 2 MPPT trackers, Max. efficiency up to 98.6%
- Wide output voltage range
- Zero export application, VSG application
- Anti-PID function (Optional)
- String intelligent monitoring (optional)

MODEL	SUN-30K-G04
SKU	11812
Rated Output Power (kW)	30 kW
Max. PV Input Power (kW)	39 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	200-850
No. of MPPTs / Strings	2 / 3+3
Max. Efficiency	98.6%
IP Rating	IP65
Communication	RS485 / RS232 / Wi-Fi / LAN
Dimensions (mm)	362×577×215
Weight (kg)	23
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase On-Grid Inverter

- 9 MPPT trackers, high single circuit tracking accuracy
- 150% DC Input Oversizing
- Maximum efficiency of 98.70%. Wide MPPT voltage range: 180V-1000V
- Compatible with high-power modules
- DC & AC Type II SPD: prevent lightning damage
- Locate PV string faults accurately and automatically detect faults

MODEL	VT-6607100
SKU	11520
Rated Output Power (kW)	100 kW
Max. PV Input Power (kW)	150 kW
Max. PV Input Voltage (V)	1100
MPPT Voltage Range	180-1000
No. of MPPTs / Strings	9 / 2
Max. Efficiency	98.7%
IP Rating	IP65
Communication	RS485 / USB; optional Wi-Fi / GPRS / Ethernet
Dimensions (mm)	1050×660×330
Weight (kg)	95
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here



Single Phase Hybrid Inverter

NEW **LOW** VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 16 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 135A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-3.6K-SG06LP1-EU-BM2	SUN-5K-SG06LP1-EU-BM2	SUN-6K-SG06LP1-EU-BM2
SKU	12790	12832	12826
Rated Output Power (kW)	**3.6 kW**	**5 kW**	**6 kW**
Max. PV Input Power (kW)	5.7 kW	8 kW	9.6 kW
Max. PV Input Voltage (V)	500	500	500
MPPT Voltage Range	150-425	150-425	150-425
No. of MPPTs / Strings	2/1+1	2/1+1	2/1+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60	40-60
Max. Charge / Discharge Current (A)	90	120	135
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%	97.6%
IP Rating	IP65	IP65	IP65
Communication	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN
Dimensions (mm)	310×460×218	310×460×218	310×460×218
Weight (kg)	15.6	15.6	15.6
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Support for Time-of-use Optimization
- Built-in Anti-Feed-in Function
- Configurable Operation Modes
- Compact Size and Easy Installation
- Arc Fault Circuit Interrupter (AFCI) (Optional)
- Smart Monitoring & Remote Firmware Upgrade

MODEL	VT-6607136	VT-6607105
SKU	11955 Italian	11819
Rated Output Power (kW)	3.6 kW	5 kW
Max. PV Input Power (kW)	5.4 kW	7.5 kW
Max. PV Input Voltage (V)	550	550
MPPT Voltage Range	80-500	80-500
No. of MPPTs / Strings	2 / 2	2 / 2
Battery Type	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	80	80
Backup / Peak Output	5.4kW peak / 10min	7.5kW peak / 10min
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	LCD / LED / RS485 / CAN / Wi-Fi / GPRS / 4G	LCD / LED / RS485 / CAN / Wi-Fi / GPRS / 4G
Dimensions (mm)	513×370×192	513×370×192
Weight (kg)	17	17
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Lead-acid/ lithium Battery
- Zero export function (Integrated)
- Smart energy management
- Max. Efficiency 97.60%
- Battery reverse protection
- DC & AC Type II SPD: prevent lightning damage

MODEL	VT-6607103
SKU	11509
Rated Output Power (kW)	**5 kW**
Max. PV Input Power (kW)	7 kW
Max. PV Input Voltage (V)	550
MPPT Voltage Range	125-500
No. of MPPTs / Strings	2 / 1
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-58
Max. Charge / Discharge Current (A)	95A charge / 104.2A discharge
Max. Efficiency	97.6%
IP Rating	IP65
Communication	RS485 / CAN / DRM; optional Wi-Fi / 4G
Dimensions (mm)	550×515×200
Weight (kg)	25
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Solar+Storage Hybrid Inverter
- Wide Range of Power
- High Efficiency
- Strong Battery Voltage Compatibility
- Multi-unit Parallel
- VPP Interface Ready

MODEL	VT-Isuna 3600S	VT-Isuna 5000S	VT-Isuna 6000S
SKU	12157	12158	12156
Rated Output Power (kW)	3.6 kW	5 kW	6 kW
Max. PV Input Power (kW)	6 kW	7.5 kW	9 kW
Max. PV Input Voltage (V)	600	600	600
MPPT Voltage Range	80-550	80-550	80-550
No. of MPPTs / Strings	2 / 1	2 / 1	2 / 1
Battery Type	Lithium-ion	Lithium-ion	Lithium-ion
Battery Voltage Range(V)	42-58	42-58	42-58
Max. Charge / Discharge Current (A)	85	100	100
Max. Efficiency	97.8%	98.0%	98.0%
IP Rating	IP65	IP65	IP65
Communication	RS485 / CAN / DRED / DO / Parallel; APP/Wi-Fi/4G/ Bluetooth monitoring	RS485 / CAN / DRED / DO / Parallel; APP/Wi-Fi/4G/ Bluetooth monitoring	RS485 / CAN / DRED / DO / Parallel; APP/Wi-Fi/4G/ Bluetooth monitoring
Dimensions (mm)	500×470×180	500×470×180	500×470×180
Weight (kg)	21	21	21
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 16 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 90A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-3.6K-SG05LP1-EU-AM2-P
SKU	12344
Rated Output Power (kW)	**3.6 kW**
Max. PV Input Power (kW)	5.76 kW
Max. PV Input Voltage (V)	500
MPPT Voltage Range	150-425
No. of MPPTs / Strings	2 / 1+1
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60
Max. Charge / Discharge Current (A)	90
Backup / Peak Output	2× rated power, 10s
Max. Efficiency	97.6%
IP Rating	IP65
Communication	RS485/RS232/CAN
Dimensions (mm)	330×580×232
Weight (kg)	24.9
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Supports DC and AC coupling for retrofitting existing solar systems
- Max. 16 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 135A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-3.6K-SG03LP1-EU	SUN-5K-SG03LP1-EU	SUN-6K-SG05LP1-EU
SKU	11725	11547	11537 / 11529 (Italian version)
Rated Output Power (kW)	3.6 kW	5 kW	6 kW
Max. PV Input Power (kW)	4.68 kW	6.5 kW	7.8 kW
Max. PV Input Voltage (V)	500	500	500
MPPT Voltage Range	150-425	150-425	150-425
No. of MPPTs / Strings	2 / 1+1	2 / 1	2 / 1
Battery Type	Li-ion / Lead-acid	Lead-acid or Li-ion	Lead-acid or Li-ion
Battery Voltage Range(V)	40-60	40-60	40-60
Max. Charge / Discharge Current (A)	90	120	135
Backup / Peak Output	5.4kW peak / 10min	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%	97.6%
IP Rating	IP65	IP65	IP65
Communication	LCD / LED / RS485 / CAN / Wi-Fi / GPRS / 4G	RS485 / CAN	RS485 / CAN
Dimensions (mm)	330×580×232	330×580×232	330×580×232
Weight (kg)	20.5	20.5	20.5
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Generator-compatible to extend backup duration during grid power outage
- Multiple inverters can operate together to form a microgrid
- Supports dual backup ports for intelligent control of critical and non-critical loads
- 10 seconds of 200% overload capability
- <4ms automatic switchover for seamless backup power.
- Ensures excellent power supply stability

MODEL	S6-EH1P6K-L-PLUS
SKU	12223
Rated Output Power (kW)	**6 kW**
Max. PV Input Power (kW)	9.6 kW
Max. PV Input Voltage (V)	500
MPPT Voltage Range	90-435
No. of MPPTs / Strings	2 / 2
Battery Type	Li-ion / Lead-acid
Battery Voltage Range(V)	40-60
Max. Charge / Discharge Current (A)	135
Backup / Peak Output	2× rated power, 10s
Max. Efficiency	96.2%
IP Rating	IP66
Communication	RS485 / CAN; optional Wi-Fi / GPRS / LAN
Dimensions (mm)	335×560×227
Weight (kg)	21.6
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Max. charging/discharging current of up to 190A
- Support AC coupling for retrofitting existing solar systems
- 6 time periods for battery charging/discharging
- Max. 16 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator

MODEL	SUN-6K-SG05LP1-EU-AM2-P	SUN-8K-SG05LP1-EU-AM2-P
SKU	12679	12310
Rated Output Power (kW)	**6 kW**	**8 kW**
Max. PV Input Power (kW)	9.6 kW	12.8 kW
Max. PV Input Voltage (V)	500	500
MPPT Voltage Range	150-425	150-425
No. of MPPTs / Strings	2 / 1+1	2 / 2+2
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	135	190
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485 / RS232 / CAN	RS485 / RS232 / CAN
Dimensions (mm)	330×580×232	330×580×232
Weight (kg)	24.9	24.9
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Max. charging/discharging current of up to 250A
- Support AC coupling for retrofitting existing solar systems
- 6 time periods for battery charging/discharging
- Max. 16 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator

MODEL	SUN-10K-SG02LP1-EU-AM3-P	SUN-12K-SG02LP1-EU-AM3-P
SKU	12680	12675
Rated Output Power (kW)	10 kW	12 kW
Max. PV Input Power (kW)	16 kW	19.2 kW
Max. PV Input Voltage (V)	500	500
MPPT Voltage Range	150-425	150-425
No. of MPPTs / Strings	3 / 2+2+2	3 / 2+2+2
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	220	250
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485 / RS232 / CAN; optional GPRS/Wi-Fi/ Bluetooth/4G/LAN	RS485 / RS232 / CAN; optional GPRS/Wi-Fi/ Bluetooth/4G/LAN
Dimensions (mm)	420×670×233	420×670×233
Weight (kg)	35.6	35.6
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

NEW LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Max. charging/discharging current of up to 250A
- Support AC coupling for retrofitting existing solar systems
- 6 time periods for battery charging/discharging
- Max. 16 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator

MODEL	SUN-8K-SG06LP1-EU-BM3	SUN-12K-SG06LP1-EU-BM3
SKU	12827	12835
Rated Output Power (kW)	8 kW	12 kW
Max. PV Input Power (kW)	12.8 kW	19.2 kW
Max. PV Input Voltage (V)	500	500
MPPT Voltage Range	150-425	150-425
No. of MPPTs / Strings	3/2+1+1	3/2+2+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	185	250
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN
Dimensions (mm)	340×580×227	340×580×227
Weight (kg)	23.7-24.5	23.7-24.5
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Single Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Supports DC and AC coupling for retrofitting existing solar systems
- Max. 16 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 290A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-16K-SG01LP1-EU
SKU	12159
Rated Output Power (kW)	16 kW
Max. PV Input Power (kW)	20.8 kW
Max. PV Input Voltage (V)	500
MPPT Voltage Range	150-425
No. of MPPTs / Strings	3 / 2+2+2
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60
Max. Charge / Discharge Current (A)	290
Backup / Peak Output	2× rated power, 10s
Max. Efficiency	97.6%
IP Rating	IP65
Communication	RS485/RS232/CAN
Dimensions (mm)	464×763×282
Weight (kg)	52
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Single Phase Hybrid Inverter

NEW LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 16 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 380A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-18K-SG01LP1-EU-AM3-P
SKU	12780
Rated Output Power (kW)	**18 kW**
Max. PV Input Power (kW)	19.8 kW
Max. PV Input Voltage (V)	500
MPPT Voltage Range	150-425
No. of MPPTs / Strings	3/2+2+2
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60
Max. Charge / Discharge Current (A)	380
Backup / Peak Output	2× rated power, 10s
Max. Efficiency	97.6%
IP Rating	IP65
Communication	Wi-Fi / RS485 / CAN
Dimensions (mm)	464×863×282
Weight (kg)	59.8
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 240A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-5K-SG04LP3-EU	SUN-12K-SG04LP3-EU
SKU	11743	11543
Rated Output Power (kW)	**5 kW**	**12 kW**
Max. PV Input Power (kW)	6.5 kW	15.6 kW
Rated PV Input Voltage (V)	550 (160-800)	550 (160-800)
MPPT Voltage Range	200-650	200-650
No. of MPPTs / Strings	2 / 1+1	2 / 2+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	120	240
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485 / CAN	RS485 / CAN
Dimensions (mm)	422×702×281	422×702×281
Weight (kg)	33.6	33.6
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- 100% unbalanced output, max. output up to 50% rated power for each phase
- Supports DC and AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 190A
- 6 time periods for battery charging/discharging
- 48V low voltage battery, transformer isolation design

MODEL	SUN-5K-SG05LP3-EU-SM2	SUN-6K-SG05LP3-EU-SM2	SUN-8K-SG05LP3-EU-SM2
SKU	12654	12345	12643
Rated Output Power (kW)	5 kW	6 kW	8 kW
Max. PV Input Power (kW)	8 kW	9.6 kW	12.8 kW
Max. PV Input Voltage (V)	800	800	800
MPPT Voltage Range	200-650	200-650	200-650
No. of MPPTs / Strings	2 / 1+1	2 / 1+1	2 / 1+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60	40-60
Max. Charge / Discharge Current (A)	120	135	190
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%	97.6%
IP Rating	IP65	IP65	IP65
Communication	RS485/RS232/CAN	RS485/RS232/CAN	RS485/RS232/CAN
Dimensions (mm)	386×660×250	386×660×250	386×660×250
Weight (kg)	35.2	35.2	35.2
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

NEW LOW VOLTAGE

- 100% unbalanced output, max. output up to 50% rated power for each phase
- Supports DC and AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 190A
- 6 time periods for battery charging/discharging
- 48V low voltage battery, transformer isolation design

MODEL	SUN-6K-SG06LP3-EU-BM2	SUN-8K-SG06LP3-EU-BM2
SKU	12833	12828
Rated Output Power (kW)	**6 kW**	**8 kW**
Max. PV Input Power (kW)	9.6 kW	12.8 kW
Max. PV Input Voltage (V)	800	800
MPPT Voltage Range	200-650	200-650
No. of MPPTs / Strings	2/1+1	2/1+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	135	190
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN
Dimensions (mm)	334×560×216	334×560×216
Weight (kg)	20.8-21.9	20.8-21.9
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- 100% unbalanced output, max. output up to 50% rated power for each phase
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 240A
- 6 time periods for battery charging/discharging
- 48V low voltage battery, transformer isolation design

MODEL	SUN-10K-SG05LP3-EU-SM2	SUN-12K-SG05LP3-EU-SM2
SKU	12343	12655
Rated Output Power (kW)	10 kW	12 kW
Max. PV Input Power (kW)	16 kW	19.2 kW
Max. PV Input Voltage (V)	800	800
MPPT Voltage Range	200-650	200-650
No. of MPPTs / Strings	2 / 2+2	2 / 2+2
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	210	240
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485/RS232/CAN	RS485/RS232/CAN
Dimensions (mm)	386×660×250	386×660×250
Weight (kg)	35.2	35.2
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- Generator-compatible to extend backup duration during grid power outage
- Multiple inverters can operate together to form a microgrid
- Supports dual backup ports for intelligent control of critical and non-critical loads
- 10 seconds of 200% overload capability
- Supports Unbalanced and Half-Wave Loads on both the Grid and Backup Port
- Ensures excellent power supply stability

MODEL	S6-EH3P10K02-NV-YD-L
SKU	12292
Rated Output Power (kW)	10 kW
Max. PV Input Power (kW)	16 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	200-850
No. of MPPTs / Strings	2 / 3
Battery Type	Li-ion / Lead-acid
Battery Voltage Range(V)	40-60
Max. Charge / Discharge Current (A)	220
Backup / Peak Output	2× rated power, 10s
Max. Efficiency	97.6%
IP Rating	IP66
Communication	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN
Dimensions (mm)	430×660×295
Weight (kg)	42
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 240A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-10K-SG04LP3-EU	SUN-12K-SG04LP3-EU
SKU	12307	12308
Rated Output Power (kW)	10 kW	12 kW
Max. PV Input Power (kW)	15 kW	18 kW
Max. PV Input Voltage (V)	800	800
MPPT Voltage Range	200-650	200-650
No. of MPPTs / Strings	2 / 2+1	2 / 2+1
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	210	240
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485/RS232/CAN	RS485/RS232/CAN
Dimensions (mm)	422×658×254	422×658×254
Weight (kg)	38	38
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

NEW LOW VOLTAGE

- 48V low voltage battery, transformer isolation design
- 6 time periods for battery charging/discharging
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator
- 100% unbalanced output, max. output up to 50% rated power for each phase

MODEL	SUN-14K-SG05LP3-EU-SM2	SUN-16K-SG05LP3-EU-SM2	SUN-18K-SG05LP3-EU-SM2
SKU	12781	12716	12717
Rated Output Power (kW)	14 kW	16 kW	18 kW
Max. PV Input Power (kW)	22.4 kW	25.6 kW	28.8 kW
Max. PV Input Voltage (V)	800	800	800
MPPT Voltage Range	160-650	160-650	160-650
No. of MPPTs / Strings	2 / 2+2	2 / 2+2	2 / 2+2
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60	40-60
Max. Charge / Discharge Current (A)	260	300	330
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%	97.6%
IP Rating	IP65	IP65	IP65
Communication	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN	Wi-Fi / RS485 / CAN
Dimensions (mm)	456×750×268.5	456×750×268.5	456×750×268.5
Weight (kg)	51.9	51.9	51.9
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

LOW VOLTAGE

- Colour touch LCD • IP65 protection
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of up to 350A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-15K-SG05LP3-EU-SM2	SUN-20K-SG05LP3-EU-SM2
SKU	12184	12185
Rated Output Power (kW)	15 kW	20 kW
Max. PV Input Power (kW)	24 kW	32 kW
Max. PV Input Voltage (V)	800	800
MPPT Voltage Range	160-650	160-650
No. of MPPTs / Strings	2 / 2+2	2 / 2+2
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60	40-60
Max. Charge / Discharge Current (A)	280	350
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	RS485/RS232/CAN	RS485/RS232/CAN
Dimensions (mm)	456×750×268.5	456×750×268.5
Weight (kg)	50.6	50.6
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- Generator-compatible to extend backup duration during grid power outage
- SG heat pump compatibility
- Supports dual backup ports for intelligent control of critical and non-critical loads
- Supports peak shaving features in "self-use" and "generator" modes
- Supports Unbalanced and Half-Wave Loads on both the Grid and Backup Port
- Supports a maximum input current of 20A

MODEL	S6-EH3P12K2-H	S6-EH3P15K2-H	S6-EH3P20K2-H
SKU	12225	12226	12227
Rated Output Power (kW)	12 kW	15 kW	20 kW
Max. PV Input Power (kW)	19.2 kW	24 kW	32 kW
Max. PV Input Voltage (V)	1000	1000	1000
MPPT Voltage Range	200-850	200-850	200-850
No. of MPPTs / Strings	4 / 4	4 / 4	4 / 4
Battery Type	Li-ion	Li-ion	Li-ion
Battery Voltage Range(V)	120-800	120-800	120-800
Max. Charge / Discharge Current (A)	50	50	50
Backup / Peak Output	2× rated power, 10s	2× rated power, 10s	1.6× rated power, 10s
Max. Efficiency	97.7%	97.7%	97.7%
IP Rating	IP66	IP66	IP66
Communication	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN
Dimensions (mm)	599×546×243	599×546×243	599×546×243
Weight (kg)	31	31	31.7
Warranty	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- High voltage battery, higher efficiency
- Max. charging/discharging current of up to 50A
- Support AC coupling for retrofitting existing solar systems
- 6 time periods for battery charging/discharging
- Max. 10 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator

MODEL	SUN-10K-SG01HP3-EU-AM2	SUN-15K-SG01HP3-EU-AM2	SUN-20K-SG01HP3-EU-AM2	SUN-25K-SG01HP3-EU-AM2
SKU	12168	12169	12170	12644
Rated Output Power (kW)	10 kW	15 kW	20 kW	25 kW
Max. PV Input Power (kW)	16 kW	24 kW	32 kW	40 kW
Max. PV Input Voltage (V)	1000	1000	1000	1000
MPPT Voltage Range	150-850	150-850	150-850	150-850
No. of MPPTs / Strings	2 / 1+1	2 / 2+1	2 / 2+2	2 / 2+2
Battery Type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery Voltage Range(V)	160-700	160-700	160-700	160-700
Max. Charge / Discharge Current (A)	37	37	37	50
Backup / Peak Output	1.5× rated power, 10s	1.5× rated power, 10s	1.5× rated power, 10s	1.5× rated power, 10s
Max. Efficiency	97.6%	97.6%	97.6%	97.6%
IP Rating	IP65	IP65	IP65	IP65
Communication	RS485/RS232/CAN	RS485/RS232/CAN	RS485/RS232/CAN	RS485 / RS232 / CAN
Dimensions (mm)	408×638×237	408×638×237	408×638×237	408×638×237
Weight (kg)	30.5	30.5	30.5	30.5
Warranty	10 Years	10 Years	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- High voltage battery, higher efficiency
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 75A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-30K-SG02HP3-EU-AM3
SKU	12674
Rated Output Power (kW)	30 kW
Max. PV Input Power (kW)	48 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	150-850
No. of MPPTs / Strings	3 / 2+2+2
Battery Type	Lithium-ion
Battery Voltage Range(V)	160-700
Max. Charge / Discharge Current (A)	75
Backup / Peak Output	1.5× rated power, 10s
Max. Efficiency	98.5%
IP Rating	IP65
Communication	RS485 / RS232 / CAN
Dimensions (mm)	448x688x270
Weight (kg)	46
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- High voltage battery, higher efficiency
- Max. charging/discharging current of 100A
- Support AC coupling for retrofitting existing solar systems
- 6 time periods for battery charging/discharging
- Max. 10 pcs parallel for on-grid and off-grid operation
- Support storing energy from diesel generator

MODEL	SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-EU-BM4
SKU	12300	11861
Rated Output Power (kW)	40 kW	50 kW
Max. PV Input Power (kW)	52 kW	65 kW
Max. PV Input Voltage (V)	1000	1000
MPPT Voltage Range	150-850	150-850
No. of MPPTs / Strings	4 / 2+2+2+2	4 / 2+2+2+2
Battery Type	Lithium-ion	Lithium-ion
Battery Voltage Range(V)	160-800	160-800
Max. Charge / Discharge Current (A)	100 A total (50 A + 50 A)	100 A total (50 A + 50 A)
Backup / Peak Output	1.5× rated power, 10s	1.5× rated power, 10s
Max. Efficiency	97.6%	97.6%
IP Rating	IP65	IP65
Communication	CAN	CAN
Dimensions (mm)	527×894×294	527×894×294
Weight (kg)	80	80
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- 2 seconds of 160% overload capability
- Supports a maximum input current of 20A
- Real-time monitoring, remote updates, and battery healing for longer battery life.
- Supports peak shaving features in "self-use" and "generator" modes
- Supports Unbalanced and Half-Wave Loads on both the Grid and Backup Port
- Supports 200% DC/AC ratio for maximum PV charging and extended backup.

MODEL	S6-EH3P50K-H
SKU	12294
Rated Output Power (kW)	50 kW
Max. PV Input Power (kW)	96 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	150-850
No. of MPPTs / Strings	4 / 8
Battery Type	Li-ion
Battery Voltage Range(V)	150-800
Max. Charge / Discharge Current (A)	70A × 2
Backup / Peak Output	1.6× rated power, 2s
Max. Efficiency	97.8%
IP Rating	IP65
Communication	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN
Dimensions (mm)	530×880×290
Weight (kg)	73
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- High voltage battery, higher efficiency
- Support AC coupling for retrofitting existing solar systems
- Max. 10 pcs parallel for on-grid and off-grid operation
- Max. charging/discharging current of 160A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

MODEL	SUN-80K-SG02HP3-EU-EM6
SKU	12322
Rated Output Power (kW)	80 kW
Max. PV Input Power (kW)	128 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	150-850
No. of MPPTs / Strings	6 / 2+2+2+2+2+2
Battery Type	Lithium-ion
Battery Voltage Range(V)	160-1000
Max. Charge / Discharge Current (A)	160 A total (80 A + 80 A)
Backup / Peak Output	1.5× rated power, 10s
Max. Efficiency	97.6%
IP Rating	IP65
Communication	RS485/RS232/CAN
Dimensions (mm)	606×927×314
Weight (kg)	97.5
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

HIGH VOLTAGE

- Supports both DC and AC coupling, for flexible retrofits and system expansions
- Reliable backup power with intelligent battery reserve management.
- Extends supply time for critical loads with intelligent load prioritization
- <10ms on/off-grid switching for uninterrupted power.
- Integrates on-grid PV, wind, and diesel power in one versatile interface.
- Supports multi-unit parallel operation up to 1.25MW

MODEL	S6-EH3P125K10-NV-YD-H
SKU	12677
Rated Output Power (kW)	125 kW
Max. PV Input Power (kW)	250 kW
Max. PV Input Voltage (V)	1000
MPPT Voltage Range	150-950
No. of MPPTs / Strings	10 / 20
Battery Type	Li-ion
Battery Voltage Range(V)	300-950
Max. Charge / Discharge Current (A)	200 A total (100 A + 100 A)
Backup / Peak Output	1.6× rated power, 200ms
Max. Efficiency	97.6%
IP Rating	IP66
Communication	CAN / RS485 / Ethernet; optional Wi-Fi / Cellular / LAN
Dimensions (mm)	1174×814×400
Weight (kg)	170
Warranty	10 Years
Datasheet QR Code/Link	Scan QR or Click Here



Three Phase Hybrid Inverter

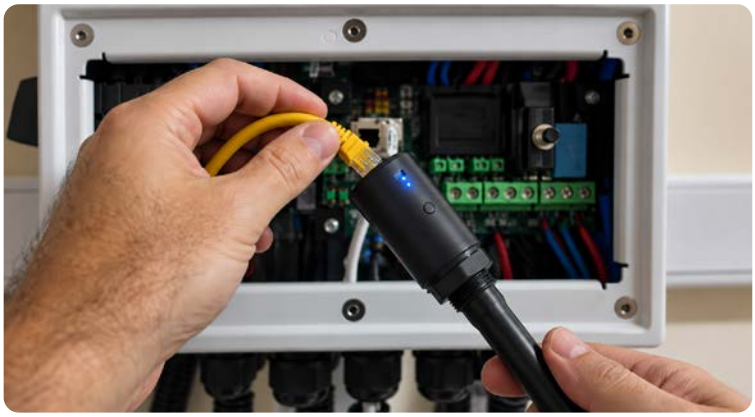
NEW HIGH VOLTAGE

- High voltage battery, higher efficiency
- Max. 10 pcs parallel for on-grid and off-grid operation
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator
- Support AC coupling for retrofitting existing solar systems
- 100% unbalanced output

MODEL	SUN-100K-SG02HP3-EU-GM10	SUN-125K-SG02HP3-EU-GM10
SKU	12737	12738
Rated Output Power (kW)	100 kW	125 kW
Max. PV Input Power (kW)	160 kW	200 kW
Max. PV Input Voltage (V)	1000	1000
MPPT Voltage Range	150-850	150-850
No. of MPPTs / Strings	10 / 2+2+2+2+2+2+2+2+2+2	10 / 2+2+2+2+2+2+2+2+2+2
Battery Type	Lithium-ion	Lithium-ion
Battery Voltage Range(V)	160-1000	160-1000
Max. Charge / Discharge Current (A)	200 A total (100 A + 100 A)	200 A total (100 A + 100 A)
Backup / Peak Output	1.5× rated power, 10s	1.5× rated power, 10s
Max. Efficiency	98.7%	98.7%
IP Rating	IP65	IP65
Communication	RS485 / RS232 / CAN; optional GPRS/Wi-Fi/ Bluetooth/4G/LAN	RS485 / RS232 / CAN; optional GPRS/Wi-Fi/ Bluetooth/4G/LAN
Dimensions (mm)	734×1091×344	734×1091×344
Weight (kg)	161.7	161.7
Warranty	10 Years	10 Years
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here



IP65
PROTECTION



NEW Smart Transmitter (TX)

- Compatible with all Deye hybrid inverter models
- Supports switches, plugs, CTs and EV charger
- LoRa communication enables reliable long-range low-latency offline operation
- Operates offline without requiring continuous internet connectivity
- Quick pairing simplifies installation with Deye inverters
- Installed protection reaches IP65 after proper installation

MODEL	SUN-SMART-TX01
SKU	12745
Communication Distance	≈200 m (barrier free)
Frequency Range	863—870 MHz
Input Voltage	DC 5 V
Operating Temperature	-40 to +60°C
Standard	IEC/EN 62368-1
IP Rating	IP20 (After installation IP65)
Communication	LoRa
Dimensions (L × W × H)	137.8×31.3×31.3 mm
Weight	45.8 g
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here



IP68
PROTECTION



NEW PV Module Optimizer

- Module-level MPPT can increase generation by 5—25%
- Real-time module monitoring enables faster issue detection
- PLC communication eliminates additional communication cable requirements
- Rapid shutdown reduces array voltage to safe range
- Peak conversion efficiency reaches up to 99.5%
- IP68 protection supports demanding outdoor PV installations

MODEL	SUN-XL02-B
SKU	12746
Max Input Power (W)	700 W
Max Input Voltage (V)	80 V
MPPT Voltage Range (V)	12—80 V
Max Input Current (A)	15 A
Peak Efficiency	99.5%
Operating Temperature	-40 to +85°C
Connector	MC4 or MC4 compatible
Cable	4.0 mm²; input 70 cm; output 100 cm
Certification	CE
IP Rating	IP68
Communication	PLC
Dimension (L x W x H)	105×105×22 mm
Weight	660 g
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here



IP68
PROTECTION



NEW Optimizer Concentrator

- Connects up to four photovoltaic series strings
- No additional communication cabling required for operation
- Works with XL02-B for rapid shutdown monitoring
- Supports 1000V and 1500V photovoltaic system voltages
- PLC uses PV cables for reliable communication
- IP68 enclosure suits demanding outdoor PV installations

MODEL	SUN-XL20-B
SKU	12747
Max Input Current (A)	20 A
Operating Voltage (V)	DC 12—15 V
System Voltage	1000 / 1500 V
Connected Strings	4
Operating Temperature	-40 to +65°C
Connector	MC4 or MC4 compatible
Certification	CE
IP Rating	IP68
Communication	PLC
Dimensions (L × W × H)	229×109×38 mm
Weight	1600 g
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here





Single Phase EV Charger

- 7 kW single-phase charging with 32 A output current
- Supports Type 1 and Type 2 connectors
- Plug, NFC, RFID and app authorization options
- MID meter enables accurate charging energy measurement
- IP65 and IK10 protection for robust installation
- Multiple electrical protections enhance charging system safety

MODEL	VT-10107
SKU	11868
EV Rated Power	7 kW
Input Voltage/Range (V)	Single-Phase 230 V
Input Current (A)	32 A
Input Frequency/Range	50/60 Hz
EV Connector	Type 1 / Type 2
Cable Length	5 m
Authorization or Starting Method	Plug and Charge / NFC / RFID / APP (optional)
Metering	MID Meter
EV RCD or Leakage Protection	Type A 300 mA + DC 6 mA
IK Rating	IK10
Operating Altitude	<2000 m
Protection Features	Over-temperature / short circuit / emergency stop / over-under voltage / overcurrent / backflow / lightning / earth fault
Certification	CE / TR25 / TUV Mark / RCM / KC / UKCA
IP Rating	IP65
Dimensions (L × W × H)	385x200x145 mm
Weight	6.5 kg
Warranty	2 Years
Datasheet QR Code/Link	Scan QR or Click Here





NEW Smart EV Charger

- Supports flexible 7 kW and 22 kW charging modes
- Real-time monitoring and control via Deye Cloud
- Type A leakage with 6 mA DC protection
- LoRa, Wi-Fi and BLE communication are supported
- Smart charging by time, SOC or solar
- IP66 enclosure supports reliable outdoor EV charging

MODEL	SUN-EVSE22K01-EU-AC
SKU	12744
EV Rated Power	7 kW (single phase) / 22 kW (three phase)
Input Voltage/Range (V)	230 V (single phase) / 230/400 V (three phase)
Input Current (A)	32 A
Input Frequency/Range	50 Hz (45-55 Hz) / 60 Hz (55-65 Hz)
Connection Mode	L+N+PE / 3L+N+PE
Cable Length	4.2 m
Authorization or Starting Method	Scan-to-Charge / Scheduled Charging
EV RCD or Leakage Protection	Type A leakage + DC 6 mA fault protection
Surge Protection	Type II
Operating Altitude	≤3000 m
Noise	<25 dB
Ambient Humidity	5%-95% no condensation
Protection Features	Over-temperature / low-temperature / over-voltage / under-voltage / short circuit / overload / earth fault / leakage current
Certification	EN IEC 61851-1 / IEC 61851-1 / EN 300 220-2 / EN 300 328 / EN IEC 62311 / EN 301 489 series / EN IEC 61000-6 series / EN IEC 61851-21-2
IP Rating	IP66
Communication	LoRa / Wi-Fi / BLE
Dimensions (L × W × H)	104 × 264 × 57.5 mm
Weight	3.7 kg
Warranty	5 Years
Datasheet QR Code/Link	Scan QR or Click Here

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SOLAR PANELS

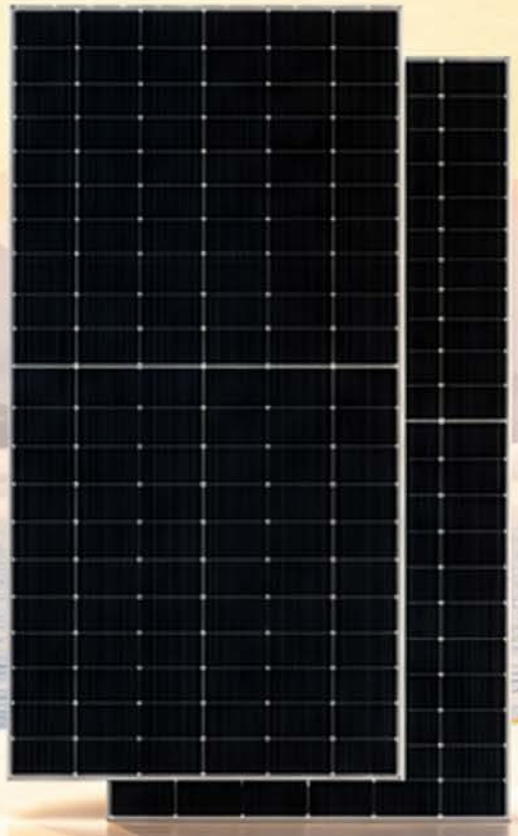
V-TAC Solar Panels combine high-output mono technology with dependable performance for modern solar installations. Designed to deliver efficient, reliable solar generation across residential and commercial applications.

TIER 1 BloombergNEF

25 | 30 PRODUCT POWER WARRANTY

EUPD RESEARCH TOP BRAND PV MODULES BRAZIL 2025

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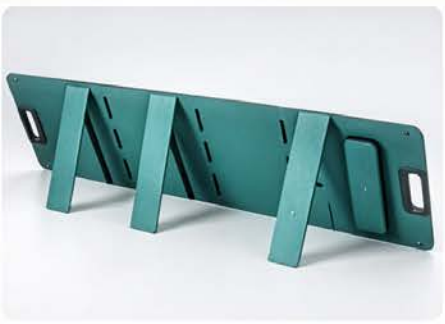
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FOLDABLE SOLAR PANELS

V-TAC Foldable Solar Panels deliver portable, reliable solar power wherever it's needed. Lightweight, compact, and easy to set up, they are ideal for camping, travel, outdoor activities, and backup power. Designed for convenient connection with portable power stations, they provide flexible off-grid energy on the go.













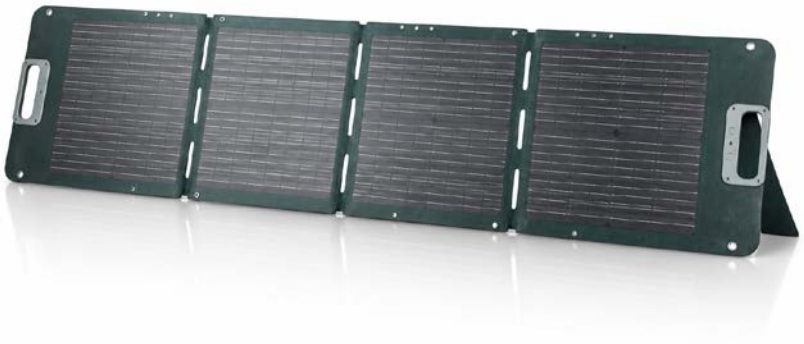












IP67
PROTECTION

Foldable Solar Panels

- MC4 and DC5521 connectors improve device compatibility
- Integrated kickstand supports quick outdoor panel positioning



SKU : 11573
PORTABLE POWER SUPPLY 2 IN 1

MODEL	VT-10080	VT-10120	VT-10241	VT-10160
SKU	11564	11446	11565	11566
Panel Power	80 W	120 W	120 W x 2	160 W
Total Power	80 W	120 W	240 W	160 W
Panel Qty	1	1	2	1
Operating Voltage	17.6 V	17.6 V	17.6 V	17.6 V
Operating Current	4.54 A	6.36 A	6.36 A	9.08 A
Open Circuit Voltage	21.2 V	21.2 V	21.2 V	21.2 V
Short Circuit Current	4.87 A	6.83 A	6.83 A	9.75 A
Panel Connector	MC4 / DC5521	MC4 / DC5521	MC4 / DC5521	MC4 / DC5521
IP Rating	IP67	IP67	IP67	IP67
Folded Dimensions	366 × 356 × 54 mm	430 × 540 × 54 mm	430 × 540 × 54 mm	680 × 468 × 54 mm
Expanded Dimensions	1670 × 356 × 25 mm	1930 × 430 × 25 mm	1930 × 430 × 25 mm	1670 × 680 × 25 mm
Weight (kg)	5.2 kg	6.3 kg	12.8 kg	9 kg
Warranty	2 Years	2 Years	2 Years	2 Years
Datasheet QR Code/ Link	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here	Scan QR or Click Here

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PV CABLES & ACCESSORIES

PV cables, also known as solar or photovoltaic cables, are specially designed for solar power systems. They provide safe and reliable connections between solar panels and key system components such as inverters, charge controllers and batteries.





PV Cables

SKU	Cable	Cable Color	Cable Length (m)
11821	4 mm²	Red	50 m
11418	4 mm²	Red	100 m
11807	4 mm²	Red	500 m
11822	4 mm²	Black	50 m
11414	4 mm²	Black	100 m
11805	4 mm²	Black	500 m
11829	6 mm²	Red	50 m
11419	6 mm²	Red	100 m
11808	6 mm²	Red	500 m
11830	6 mm²	Black	50 m
11415	6 mm²	Black	100 m
11806	6 mm²	Black	500 m
12801	10 mm²	Black	100 m
12802	10 mm²	Red	100 m

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to view full range

	4 mm²	6 mm²	10 mm² NEW
Voltage	AC: 1000 V; DC: Max.1500 V	AC: 1000 V; DC: Max.1500 V	AC: 1000 V; DC: Max.1500 V
Conductor	Stranded tinned copper	Stranded tinned copper	Stranded tinned copper
Stranding	56/0.285±0.01mm	84/0.285±0.01mm	77/0.40±0.01mm
Diameter	2.4mm	3.0mm	4.1mm
Primary/ Secondary Insulation	XLPE	XLPE	XLPE
Minimum Average Thickness	0.7mm	0.7mm	0.7mm
Outer Diameter	5.5±0.15mm	6.1±0.2mm	7.4±0.2mm





Solar DC String Box

- Supports 2 & 3 PV input and output strings
- IP65 enclosure with IK08 impact resistance
- 1000 V maximum DC system operating voltage
- Wall-mount design for solar DC distribution
- 40 kA surge protection for photovoltaic systems
- Integrated breaker, fuse holder and surge protection

Product	2 Strings Input / 2 Strings Output DC String Box	3 Strings Input / 3 Strings Output DC String Box
SKU	11951	11952
Max System Voltage	1000 V	1000 V
String Input	2	3
String Output	2	3
Max Isc Per Input	16 A (changeable)	16 A (changeable)
Max Current Output	16 A	16 A
Surge Max Discharge Current	40 kA	40 kA
Enclosure Material	Polycarbonate / ABS	Polycarbonate / ABS
IK Rating	IK08	IK08
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Humidity	99%	99%
Altitude	2000 m	2000 m
Cable Input Entry	PG09 cable gland, 2.5-16 mm²	PG09 cable gland, 2.5-16 mm²
Cable Output Gland	PG21, 2.5-16 mm²	PG21, 2.5-16 mm²
Breaker Rated Current	16 A (changeable)	16 A (changeable)
Fuse Link	10×38 mm, 16 A (changeable)	10×38 mm, 16 A (changeable)
IP Rating	IP65	IP65
Dimension	273 × 365 × 118 mm	381 × 365 × 118 mm
Datasheet QR Code/Link	Scan QR or Click Here	Scan QR or Click Here





Single Phase Smart Meter

Product	Single Phase Smart Meter
SKU	11545
Nominal Voltage	220 V / 230 V / 240 V
Current	5(80) A
Frequency Hz	50 Hz / 60 Hz
Accuracy	Class 1.0
Operating Range	0.85Un ~ 1.15Un
Power Consumption	Voltage loop: 1 W/5 VA; Current loop: 2 VA

Scan QR or Click Here





Three Phase Smart Meter

Product	Three Phase Smart Meter
SKU	11546
Nominal Voltage	3×220~240/380~415 V; 3×120~138/208~240 V
Current	Direct: 5(80) A; Mutual: 1.5(6) A
Frequency (Hz)	50 Hz / 60 Hz
Accuracy	Class 1.0 for 5(80) A; Class 0.5 for 1.5(6) A
Operating Range	0.85Un ~ 1.15Un
Power Consumption	1 W / 8 VA

Scan QR or Click Here



SKU: 11528
Wi-Fi Dongle for Solar Inverter XG Series



SKU: 11378
Wi-Fi Dongle For Inverters



SKU: 11388
End Clamp 35 mm



SKU: 11389
Middle Clamp 35 mm



SKU: 11390-1.2 m | 11538 - 2 m
Silver Rail



SKU: 11391
Rooftop Hook-01



SKU: 11583
L Feet Group



SKU: 11584
Steel Horse-Shaped LKIPLOCK01 Set



SKU: 11585
Steel Horse-Shaped LKIPLOCK02 Set



SKU: 11392
TT-Nut



SKU: 11417
Adjustable Front Leg



SKU: 11394
Splice For Rail



SKU: 11395
Grounding Plate



SKU: 11413
PV Cable Connector-MC4



SKU: 11387
Triangle Support-1700



SKU: 11385-(10°-15°) | 11386 (15°-30°)
Adjustable Rear Leg



SKU: 11570- 1 m | 11416- 2.5 m
Extension Cable


Home Backup


Camping


RV & Caravan


Mobile Workstation
V-TAC
Meaningful Innovation.

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PORTABLE POWER STATIONS

RELIABLE POWER. WHEREVER YOU NEED IT.

V-TAC Portable Power Stations combine dependable $LiFePO_4$ battery technology with pure sine-wave AC power, flexible solar and mains charging, and multiple outputs for everyday devices. Designed for portable, off-grid and backup power applications, the range delivers practical energy from compact 600W solutions to powerful 3000W systems.

- Long-life $LiFePO_4$ battery technology
- Pure sine-wave AC power output
- Solar, AC and vehicle charging options
- USB-A, USB-C and DC connectivity
- Wi-Fi enabled smart monitoring
- Multiple capacities for different power needs

Home Backup | Camping | RV & Caravan | Outdoor Activities | Emergency Power | Mobile Workstations





NEW 600W | Portable UPS Power Station

- 600W pure sine-wave output for compact backup
- 100W USB-C output charges modern portable devices
- 512Wh LiFePO4 battery provides portable stored energy
- Wi-Fi connectivity enables convenient smart power monitoring

MODEL	VT-603
SKU	12705
AC Output (Inverter Mode)	Pure sine-wave, total 600W (peak 1000W), 220-240V~, 50Hz/60Hz, 3A ×2
AC Output (Bypass Mode)	220-240V~, 50Hz/60Hz, 600W Max., 3A
AC Input Power	220-240V~, 50Hz/60Hz, 1200W Max., 6A
Battery Type	Cylindrical Steel-Cased LiFePO4 Cell
Battery	512 Wh | 25.6 V | 20 Ah | 3000 Cycles
USB A Output	USB-A1/A2: 12W Max.
USB C Output	USB-C1/C2: 100W Max.
DC Output	DC5521 ×2: 12.6V, 3A
Car Charge Output	12.6V/10A, 126W Max.
PV Charge Input	200W Max., 12-20V, 10A
AC Charging Power	600 W Max.
AC+PV Charging Power	600 W Max.
Dimensions (W x H x D)	301 × 227 × 193 mm
Weight (kg)	7 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 1000W | Portable UPS Power Station

- 1000W pure sine-wave power for portable applications
- 614.4Wh LiFePO4 battery supports reliable backup energy
- 100W USB-C output supports modern electronic devices
- Wi-Fi support enables convenient remote power monitoring

MODEL	VT-10003
SKU	12706
AC Output (Inverter Mode)	Pure sine-wave, total 1000W (peak 1600W), 220-240V~, 50Hz/60Hz, 5A ×2
AC Output (Bypass Mode)	220-240V~, 50Hz/60Hz, 1000W Max., 5A
AC Input Power	220-240V~, 50Hz/60Hz, 1500W Max., 7.5A
Battery Type	Cylindrical Steel-Cased LiFePO4 Cell
Battery	614.4 Wh | 51.2 V | 12 Ah | 3000 Cycles
USB A Output	USB-A1/A2: 12W Max.
USB C Output	USB-C1/C2: 100W Max.
Car Charge Output	12.6V/10A, 126W Max.
PV Charge Input	400W Max., 13-45V, 12A
AC Charging Power	700 W Max.
AC+PV Charging Power	700 W Max.
Dimensions (W x H x D)	301 × 227 × 193 mm
Weight (kg)	8.5 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 614Wh | Expansion Battery Pack

- Up to 4200Wh usable capacity | Stacking up to 6 batteries combined with SKU 12706 (sold separately)
- 100W USB-C output powers compatible portable devices
- Full 1000W performance with extended runtime for home backup and off-grid use.
- Car charging input supports 12V and 24V

MODEL	VT-614
SKU	12707
Battery Type	Cylindrical Steel-Cased LiFePO4 Cell
Battery	614 Wh | 51.2 V | 12 Ah | 3000 Cycles
USB A Output	USB-A1: 12W Max.
USB C Output	USB-C1: 100W Max.; USB-C2/C3: 65W Max.
DC Output	Power output: 40-57.6V, 24A Max.
Car Charge Output	12.6V, 10A Max.
PV Charge Input	13-45V, 12A, 400W Max.
Battery Voltage	51.2 V
Temperature Range	Charge:0°C to 45°C | Discharge: -20°C to 45°C
Dimensions (W*H*D)	301 × 227 × 193 mm
Weight (kg)	7.5 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 1800W | Portable UPS Power Station

- 1800W pure sine-wave output for everyday backup
- 1229Wh LiFePO4 battery balances power and portability
- Wi-Fi connectivity enables smart remote power monitoring
- Multiple USB and DC outputs power devices

MODEL	VT-10008
SKU	12708
AC Output (Inverter Mode)	Pure sine-wave, total 1800W (peak 3000W), 220-240V~, 50Hz/60Hz, 12A ×3
AC Output (Bypass Mode)	220-240V~, 50Hz/60Hz, 1800W Max., 10A Max.
AC Input Power	220-240V~, 50Hz/60Hz, 1800W Max., 10A
Battery Type	Cylindrical Steel-Cased LiFePO4 Cell
Battery	1229 Wh | 51.2 V | 24 Ah | 3000 Cycles
USB A Output	USB-A1/A2: 18W Max.; USB-A3/A4: 12W Max.
USB C Output	USB-C1/C2: 100W Max.
DC Output	DC5521 ×2: 12.6V, 3A
Car Charge Output	12.6V/10A, 126W Max.
PV Charge Input	400W Max., 13-45V, 12A
AC Charging Power	1380 W Max.
AC+PV Charging Power	1380 W Max.
Dimensions (W x H x D)	432 × 270 × 300 mm
Weight (kg)	19.4 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 1800W | Portable Pro UPS Power Station

- 1800W output with 3000W peak surge capacity
- Wireless charging adds convenient cable-free device power
- 1024Wh LiFePO4 battery delivers dependable portable energy
- Supports up to six expansion battery packs

MODEL	VT-10009
SKU	12754
AC Output (Inverter Mode)	Pure sine-wave, total 1800W (peak 3000W), 220-240V~, 50Hz/60Hz, 9A Max. ×4
AC Output (Bypass Mode)	220-240V~, 50Hz/60Hz, 1800W Max., 9A Max.
AC Input Power	2200W Max., 10A; 220-240V~, 50Hz/60Hz
Battery Type	Lithium iron phosphate battery (LiFePO4)
Battery	1024 Wh | 51.2 V | 20 Ah | 3000 Cycles
USB A Output	USB-A1+A2: 12W Max.
USB C Output	USB-C1/C2: 30W Max.; USB-C3/C4: 140W Max.
DC Output	XT60: 12.6V/30A, 378W Max.
Car Charge Output	12.6V/10A, 126W Max.
PV Charge Input	800W Max., 11-60V, 20A
AC Charging Power	Fast: 1500W Max.; Slow: 300W
AC+PV Charging Power	1500 W Max.
Dimensions (W x H x D)	350 × 224 × 260 mm
Weight (kg)	11.6 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 3000W | Portable UPS Power Station

- 3000W pure sine-wave output for demanding loads
- 2560Wh LiFePO4 battery for extended backup runtime
- Wi-Fi app control enables intelligent remote monitoring
- Expandable design supports additional battery capacity

MODEL	VT-300011
SKU	12709
AC Output (Inverter Mode)	Pure sine-wave, total 3000W (peak 5000W), 220-240V~, 50Hz/60Hz, 13A ×3
AC Output (Bypass Mode)	220-240V~, 50Hz/60Hz, 2300W Max., 10A Max.
AC Input Power	220-240V~, 50Hz/60Hz, 2300W Max., 10A
Battery Type	Prismatic Aluminum-Cased LiFePO4 Cell
Battery	2560 Wh | 51.2 V | 50 Ah | 3000 Cycles
USB A Output	USB-A1/A2: 18W Max.; USB-A3/A4: 12W Max.
USB C Output	USB-C1/C2: 100W Max.
DC Output	Anderson: 12.6V, 30A Max., 378W; DC5521 ×2: 12.6V, 3A
Car Charge Output	12.6V/10A, 126W Max.
PV Charge Input	2 × PV input, 800W Max., 13-45V, 12A
AC Charging Power	2100 W Max.
AC+PV Charging Power	2688 W Max.
Dimensions (W x H x D)	303 × 343 × 536 mm
Weight (kg)	34 kg
Datasheet QR Code/Link	Scan QR or Click Here



NEW 2560Wh | Expansion Battery Pack

- Up to 17500Wh usable capacity | Stacking up to 6 batteries combined with SKU 12709 (sold separately)
- 50A maximum charging current enables efficient recharge
- Full 3000W performance with extended runtime for home backup and off-grid use.
- 3000 cycle life supports long-term repeated use

MODEL	VT-25001
SKU	12710
Battery Type	Prismatic Aluminum-Cased LiFePO4 Cell
Battery	2560 Wh | 51.2 V | 50 Ah | 3000 Cycles
Battery Voltage	51.2 V
Temperature Range	Charge:0°C to 45°C | Discharge: -20°C to 45°C
Dimensions (W*H*D)	536 × 270 × 225 mm
Weight (kg)	26.6 kg
Datasheet QR Code/Link	Scan QR or Click Here

GENERAL PURPOSE LEAD ACID BATTERIES

V-TAC's General Purpose Lead-Acid Batteries provide reliable, low-maintenance backup power for everyday applications, offering stable performance and dependable service life.

6V/4Ah (20hr)

SKU : 23448



12V/1.3Ah (20hr)

SKU : 23449



12V/2Ah (20hr)

SKU : 23450



12V/7Ah (20hr)

SKU : 23467



12V/7Ah (20hr)

SKU : 23451



12V/10Ah (20hr)

SKU : 23452



12V/18Ah (20hr)

SKU : 23453



12V/26Ah (20hr)

SKU : 23454



V-TAC
Meaningful Innovation.

ONE COMPLETE **ENERGY ECOSYSTEM**

From rooftop solar generation to battery storage, intelligent power management and EV charging, V-TAC brings the key elements of a modern energy system together.

Solar panels generate clean energy, intelligent inverters manage power flow, battery systems store energy for later use, and smart charging solutions extend renewable power to electric mobility.



V-TAC

Meaningful Innovation.

TOWARDS A BRIGHTER FUTURE

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