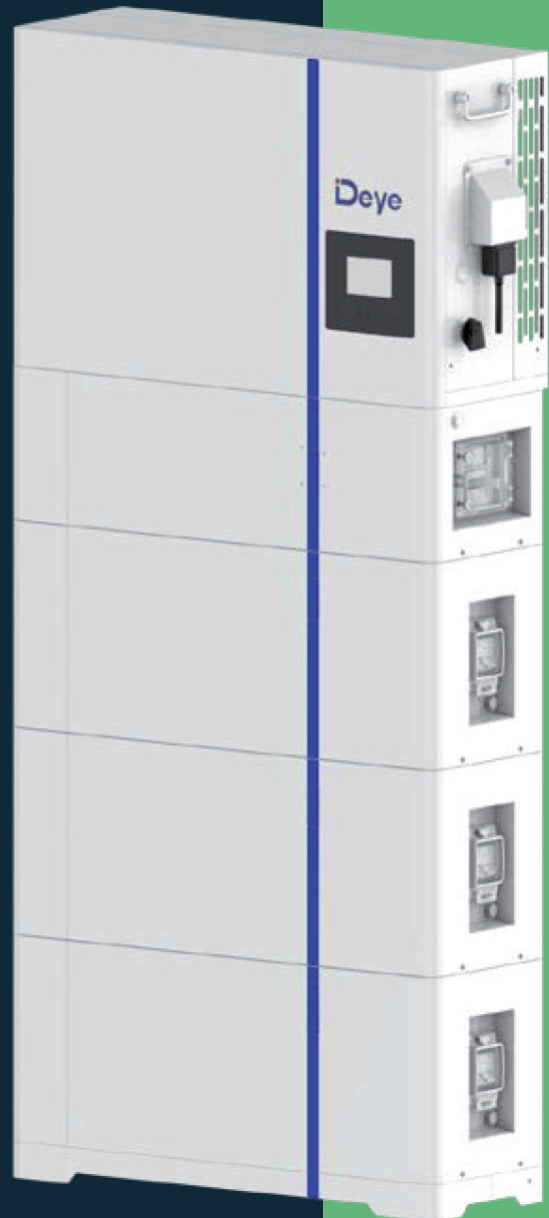


# V-TAC

Meaningful Innovation.

## All-in-one Energy Storage System

**10** YEAR  
WARRANTY



- All-in-one design, integrated 5kW~12kW Three Phase hybrid inverter and battery
- Comfortable and easy control via App, PC or Touch-Display
- Leading smart application: peak-shaving, smart load, AC couple etc
- Modular lithium iron phosphate battery, capacity of 5kWh~30kWh, scalable and safety
- Flat and stackable design, floor mounted, no wiring and extra fixing screws, quick and easy installation.
- Fast switching time of 4ms, ensuring your energy security



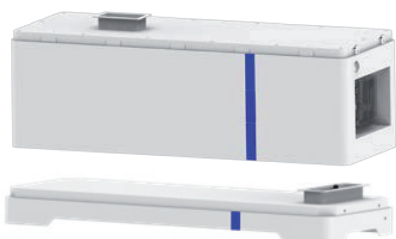
### 5.12KWH SOLAR BATTERY

SKU Code: **12186**



### 12KW HYBRID SOLAR INVERTER-THREE PHASE

SKU Code: **12190**



### POWER DISTRIBUTE UNIT III+ BASE

SKU Code: **12187**



### BMS

SKU Code: **12188**

### BATTERY TECHNICAL SPECIFICATION

Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	5.12
Module Scalability	Max.36 pcs in parallel(Max. capacity of 184kWh)
Battery Module Dimension	720*255*300(W x D x H, mm)
Battery Base Dimension	720*255*68(W x D x H, mm)
Battery PDU3 Dimension	720*255*228(W x D x H, mm)
Battery Module Weight (kg)	53
Operating Temperature Range	Charge: 0~55°C / Discharge: -20°C~+55°C
Cycle Life	≥6000(25°C±2°C,0.5C/0.5C, 90%DOD,70%EOL)

### SYSTEM SPECIFICATION

Nominal Output Power/UPS Power (W)	12000 / 12000
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three Phase
Recommended Energy Configuration	15kWh(Min.)
Max. Charging/Discharging Current (A)	240
Battery Operating Voltage (V)	43.2 ~ 57.6
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP65 (After stacking) IP20 (Without stacking)
System Certification	IEC62619, IEC60730, CE, VDE2510-50, CEI 0-21
Warranty [1]	Battery 10 years (Inverter 10 years)

## INVERTER TECHNICAL SPECIFICATION

Max. PV Input Power (W)	15600
Rated PV Input Voltage (Vdc)	550 (160~800)
Start Up DC Voltage (Vdc)	160
MPPT Voltage Range (Vdc)	200~650
Full Load DC Voltage Range (V)	350~650
Max. PV Input Current (A)	26+13
Max. PV Short-circuit Current (A)	34+17
No. of MPP Trackers	2
Peak Power (off grid)	2 time of rated power, 10s
Power Factor	0.8 leading to 0.8 lagging
DC injection current (mA)	THD<3% (Linear load<1.5%)
Display	LCD
Relative Humidity	15% ~ 85% (No Condensing)
Dimension (W x D x H,mm)	720x255x440
Weight (kg)	38
Communication with BMS	CAN2.0
Max. Efficiency	97.60%
Max. charging/discharging efficiency	95.50%

## EMC/SAFETY REGULATION

IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4

## GRID REGULATION

VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0-21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150

## BATTERY MODULE

IEC62619, CE, UK, VDE2510-50, CEI 0-21, UN38.3, CE-LVD, CEC