

Vertical All-in-One

Energy Storage System



48V
M16S280BL-T



01 BATTERY FEATURES

- ◆ Original Class A high-reliability lithium iron phosphate battery, green and environmentally friendly
- ◆ Intelligent integrated BMS, all-round protection strategy and fault detection
- ◆ Supporting off-grid/hybrid output
- ◆ Multiple charging and discharging modes are available
- ◆ Plug and play design, easy to install
- ◆ Up to two systems in parallel, with dual storage and output
- ◆ Supporting for monitoring real-time data through the app
- ◆ LCD display, dynamic display of system operating status data

Product Description

Inverter module	INV10KLP1-V5.0
Output	
Rated output power	10,000W
Maximum peak power	20,000VA
Motor load capacity	6HP
Wave form	PSW (Pure Sine Wave)
Rated output voltage	220V ac (Single Phase)
Maximum parallel capacity	2 units (Up to 20KW)
Output mode	Off-grid/Hybrid
Solar input	
Types of solar charging	MPPT
Maximum solar array power	5,500W+5500W
Maximum solar open-circuit voltage	500Vdc+500Vdc
Grid/generator inputs	
Input voltage range	90~280Vac
Bypass overload current	63A
Battery charging	
Maximum solar charging current	200A
Maximum grid/generator charging current	120A
Routine	
Dimensions (L×W×Hmm)	750×470×250
Weight (Kg)	~32
Battery module	PC-AIOV13B
Battery power	13.44KWh
Rated voltage	48V
Rated capacity	280Ah
Battery type	Prismatic cell
Cycle life	≥6000 (80%DOD, 0.5C, 25°C)
Maximum parallel capacity	4 units (Max. 53.76KWh)
Dimensions (L×W×Hmm)	750×470×250
Weight (Kg)	~105
Standard	UN38.3, MSDS, IEC62619:2017, EN IEC61000-3-2, EN IEC61000-6-1, RoHS