E-AblePower
Technology

All-in-One Energy Storage Lithium System

BMS protection

Home energy storage

Intelligent communication



System parameters

Model	25.6v 100ah+3.6kw	25.6v 200ah+3.6kw	51.2v 100ah+6.5kw
AC Input			
Rated Input Voltage (VAC)	208/220/230/240;L+N+PE		
Voltage Range (VAC)	90~280±3 (normal mode);170~280±3 (UPS mode)		
Frequency (Hz)	50 / 60 (Auto Adaptive)		
Ac Output			
Rated Capacity (kW)	3.6		6.5
Surge Power (kVA)	7.2		12
Voltage (VAC)	208/220/230/240		
Power Factor (PF)	1		
Frequency	50/60Hz±0.1%		
Switch Time (ms)	10ms (APP/UPS/GEN MODE);20ms(GEN MODE)		10ms(normal mode) / 10ms(UPS mode)
Wave Form	Pure Sine Wave		
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load		1min@102%~110% load; 10s@> 110% load
Max. Efficiency (Battery Mode)	92.7%@24VDC		94%@48VDC
Charger (PV/AC)			
Solar Charger Type	MPPT		
Max PV Input Current / Power	18A/5000W		27A/9000W
MPPT Range@Operating Voltage (VDC)	40-450		60-450
Max PV Open Circuit Voltage (VDC)	500		500
Max. Charge Current (PV/AC/PV+AC) (A)	100		120
Battery			
Standard voltage	25.6V	25.6V	51.2V
Standard capacity	100Ah	200Ah	100Ah
Rated capacity	2.56kWh	5.12kWh	5.12kWh
Battery Type	LiFePO4 Battery		
Suggested DOD	80%		
Cycle life	>6000 cycles		
Communication	BT optional		RS232/CAN/RS485 (WIFI/BT optional)
Display	LCD display optional		LCD display screen (touch screen optional)
Warranty	5 Years		
Interface			
HMI	LCD		5 inch LCD
Interface	Rs485 / CAN / RS232 / Dry Contact		RS232/RS485/CAN
Monitoring	WiFi (optional/external)		WiFi (optional/built-in/external)
General Data			
Ingress Protection	IP21		
Operating Temperature	-10°C-60°C		
Protection Function	Undervoltage protection, overvoltage protection, overload protection, over temperature protection, short circuit protection, reverse connection protection (fuse)		
Certificate	UN38.3/MSDS/CE/ROHS/FCC		