PES500

BATTERY/PCS/PV SYSTEM

PORTABLE ENERGY STORAGE SYSTEM

PES series Energy Storage System uses smart energy scheduling and management to provide power for a variety of electrification equipment, mainly used in rental, industrial/commercial user side peak shaving, construction, large-scale events or heavy-duty electric vehicle charging. Zero-emission, ultra-quiet, rapidly movable and rugged, it is a sustainable, safe and reliable alternative to electricity supply.

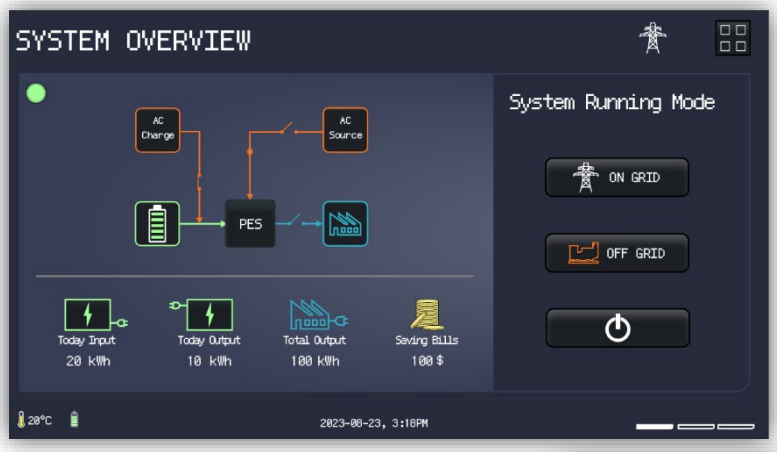
Product Features

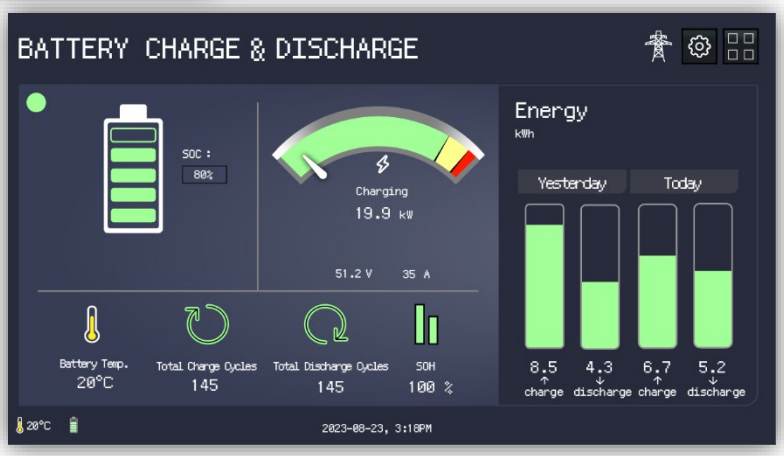
- Smart energy management system
- AC/DC power conversion system
- LiFePO4 air-cooled battery pack
- RCD leakage protector
- Plug and play interface
- Super-silent structure
- Fire safety system

Certification Standards

- UN 38.3
- IEC 62619
- IEC 62477
- IEC 62933-2-1
- CE Declaration of Conformity
- VDE-AR-N 4110
- EN-50549-1
- UL 1973

Intelligent Energy Management





PES500 SPECIFICATION

PES500 PORTABLE ENERGY STORGE SYSTEM			
Rated power (kVA/kW)	500/500		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	760	722	696

BATTERY SYSTEM	
Battery type	LiFePO4
Battery capacity (kWh)	689
Rated voltage (DC V)	800
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

PV SYSTEM	
Rated power (kWp)	100
Rated voltage (DC V)	0-900

STANDBY AC CHARGER	
Max charging power (kW)	63

LOGISTICS DATA	
Protection class	IP54
Dimensions (mm)	4500×2290×2525
Dry weight (kg)	9539
40” Loading (Qty)	2



POWERLINK Battery Systems

* Data is subject to change without prior notice as new products are always developed. Please contact POWERLINK or local agent with any doubts or for more information.