

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

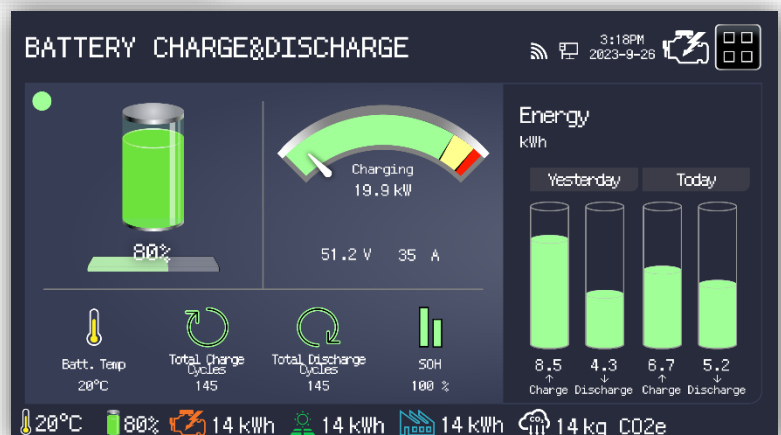
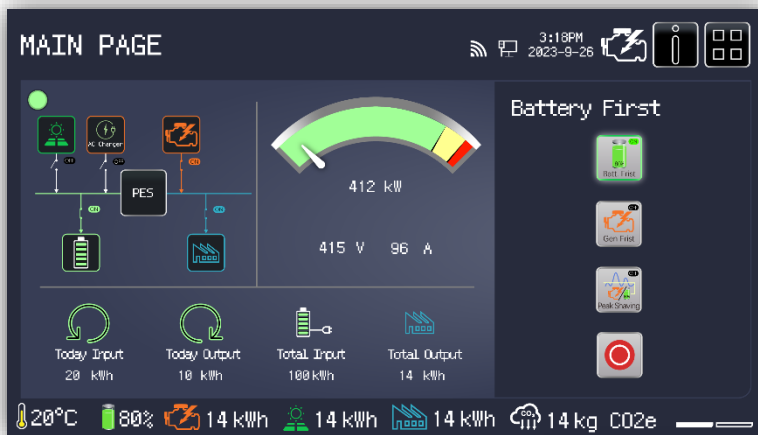


- IEC 62933-2-1
- CE Declaration of Conformity



- VDE-AR-N 4110
- EN-50549-1
- UL 1973

Intelligent Energy Management



PES500 SPECIFICATION

PES500 PORTABLE ENERGY STORAGE 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

PV SYSTEM

Rated power (kWp)	50
Input voltage (DC V)	150-650

STANDBY AC CHARGER

Max charging power (kW)	50
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BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	576
Rated voltage (DC V)	768
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>6000cycles (90%DOD, 1C)

LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	4650×2300×2500
Dry weight (kg)	14240
40" Loading (Qty)	2



* Data is subject to change without prior notice as new products are always developed. Please contact iGO2Zero or local agent with any doubts or for more information.