# PES100

## 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.

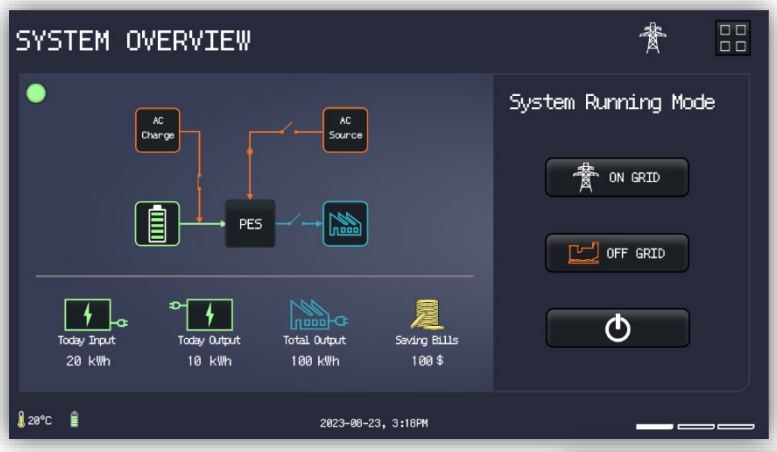
**Product Features**

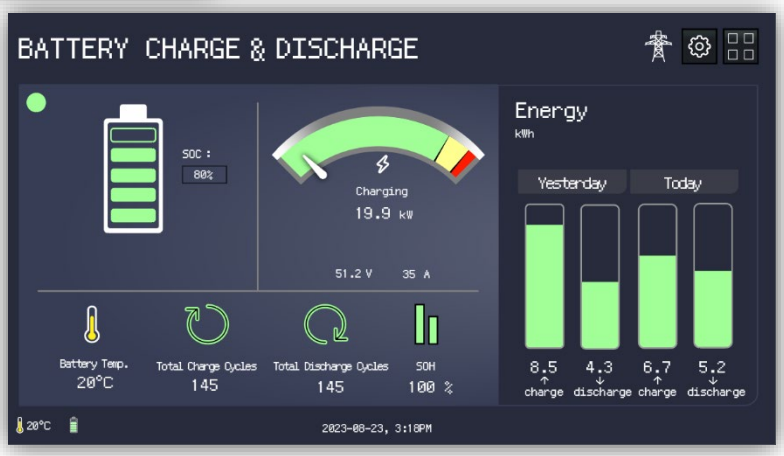
- Smart energy management system
- AC/DC power conversion system
- LiFePO4 liquid-cooled battery pack
- RCD leakage protector
- Plug and play interface
- Super-silent structure
- Fire safety system

**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**



# PES100 SPECIFICATION

| PES100 PORTABLE ENERGY STORGE SYSTEM | | | |
|---|---|---|---|
| Rated power (kVA/kW) | 100/100 | | |
| Frequency (Hz) | 50 | | |
| Phase(P) | 3 | | |
| Power factor (PF) | 1 | | |
| Noise level dBA@7m | 58 | | |
| Voltage (AC V) | 380 | 400 | 415 |
| Current (A) | 152 | 144 | 139 |

| PV SYSTEM | |
|---|---|
| Rated power (kWp) | 30 |
| Rated voltage (DC V) | 0-900 |

| BATTERY SYSTEM | |
|---|---|
| Battery type | LiFePO4 |
| Battery capacity (kWh) | 123 |
| Rated voltage (DC V) | 800 |
| Max charging rate | 1C |
| Max discharging rate | 1C |
| Recommended discharging rate | 1C |
| Battery cycle life | >8000cycles (90%DOD, 1C) |

| LOGISTICS DATA | |
|---|---|
| Protection class | IP54 |
| Dimensions (mm) | 2000x1100x1600 |
| Dry weight (kg) | 1786 |
| 40” Loading (Qty) | 11 |




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.