SolarEast

PowerHub 256kWh liquid cooling
Commercial & Industrial ESS

- **Compact Size**
  - Cabinet covers no more than 1.3 m^2
  - Energy density improved by 35%

- **Modular Design & Scalable**
  - Support cabinet-level parallel connection and cluster control
  - Support flexible capacity expansion
  - Easy installation & connection

- **Safe & Cost-effective**
  - AI diagnosis system enables pre-alarm and faults location
  - Integrated battery modules with fire protection and isolation
  - System efficiency higher than 91%

- **Minimal Maintenance**
  - Multi-scenario intelligent battery management system
  - Cloud EMS, Millisecond-level precise control
  - Fast state monitoring and unattended design

Technical specification:

Model	PowerHub-256L/H
Battery PACK	
Cell type	LPF280Ah
Nominal capacity	256kWh
Thermal management	Liquid cooling
AC side	
AC rated power	125kW
Max. AC power	137.5kW
AC rated voltage	400Vac
Way of connection	Three-phase & three-wire
Voltage range	340~440V
Adjustable range of power factor	-1~1
Rated grid frequency	50/60Hz
Range of rated grid frequency	45~55Hz/55~65Hz
Max. THDI	<3% (at rated power)
DC component	<0.5%
Thermal management	Forced air cooling
Communication	RS485/Ethernet
Communication interface	
Communication protocol	MODBUS-RTU/MODBUS-TCP/IEC61850
Battery energy system	
System efficiency	≥91%
Charge/discharge ratio	0.5C
DOP	95%
Number of cycles	6600
Ingress protection level	IP54
Environment temperature	-30~50℃
Environment humidity	0~95%RH no condensing
Max. altitude	2000m
Dimension (width*depth*height)	1030*1300*2400mm
Weight	2800kg
Fire control system	Combustible gas, smoke and temperature detectors + module-level fire extinguishing system (Perfluorohexanone) + water firefighting system (reserved)