SolarEast

▸ Commercial & Industrial ESS

▸ Features & Advantages

- **Compact Size**
  - –Cabinet covers no more than 1.7 m^2
  - –Energy density improved by 40%

- **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%

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

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

▸ Technical Specifications

Model	PowerHub-372/H
Battery PACK	
Cell type	LFP280Ah
Nominal capacity	372.7kWh
Thermal management	Liquid cooling
AC side	
AC rated power	186kW
Max. AC power	220kW
AC rated voltage	690Vac
Way of connection	Three-phase & three-wire
Voltage range	586~759V
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	
Communication interface	RS485/Ethernet
Communication protocol	MODBUS-RTU/MODBUS-TCP/IEC61850
Battery energy system	
System efficiency	≥91%
Charge/discharge ratio	0.5C
DOD	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)	1300*1300*2450mm
Weight	3600kg
Fire control system	Combustible gas, smoke and temperature detectors + module-level fire extinguishing system (Perfluorohexanone) + water firefighting system (reserved)