Solarthon®

145KWH
DISTRIBUTED CABINET

- Support on-grid loff-grid (Need to customize)
- Equipped with fire protection system
- Liquid cooling balance temperature prolong life cycle
- Plastic slots design with electrodes and busbars

AIO design
Providing integrated system solutions

CATL LFP battery cells;
cycle life >6000 cycles

Modular design
Easy for maintenance

High-precision BMS improves stability and reliability, and the balancing function prolongs battery cycle life

Friendly HMI and visual management

Equipped with EMS system, which can form a microgrid system with other energy sources

PRODUCT PARAMETERS

Item	Values
System Parameter	
DC side voltage rage	600v-876V
Output voltage	400V
System configuration	1P240S
Rated power	100kW
Match Pcs	100kW
Nominal energy of the battery system	145kWh
Battery cycle efficiency	⩾90%@AC
Dimensions(LW"H)	2100*1000*1850mm
Weight	2200kg
IP Grade	Ip54
Temperature range	-20-50°C
Humidity range	⩾95% (non-condensing)
Maximum working altitude	2000m (> 2000m need to derate)
Battery temperature control method	Liquid cooling
Fire fighting system	Aerosolperfluorohexanone
System communication protocol	Modbus-RTU/TCP
Certified	GB/36276
Cell Parameter	
Rated capacity	280Ah
Rated energy	896Wh
Dimensions	71*173*207mm
Battery box parameter	
Grouping	1P16S
Nominal voltage	51.2V
Nominal energy	14.336kWh
Dimensions	1089.5*485*245mm
weight	70kg
Battery System parameter	
Battery system	10 sets of the battery box
BMS management system	1 set
Fire fighting system	1 set, customizable
air-conditioning system	1 set, 1.2kW
Cabinet	1 set
PCS	1set, 100kWw
Distribution box	1 set