

Energon

Outdoor Energy Storage Battery Cabinet



• Features

- Multi level BMS built-in.
- IP54 fire and explosion proof cabinet.
- Scalable in power and capacity.
- Easy for on site installation.
- Fire proof devices in each modular and in the cabinet.

• Applications



Self-Consumption



Off grid



Demand Charge



Back Up



DG+BESS



Micro-grid



Smooth output



Peak Shifting

• Technical Parameter

Energon Series Outdoor Energy Storage Battery Cabinet	
Battery parameters	
Cell	3.2V 280AH
Battery type	LFP(LiFePO4)
Battery module	51.2V 280AH
Battery module Qty.	15
Battery cluster	768V 280AH
Battery cluster configuration	1P16S*15
Electrical parameter	
Nominal energy	215Kwh
Nominal voltage	768Vdc
System voltage range	672-852VDC
System charge/discharge rate	0.6C
Depth of charge and discharge	100%—10%
No. of cycles	6000
Balanced compensation power	1500W (25A)
Compensation methods	Dynamic real-time compensation
Recommended AC side power	125KW
Protection	
DC input/output	Disconnect switches+fuses
Electrical isolation	Inter - module controlled protection breakout
Fire protection systems	Two-stage aerosol fire module + Smoke sensors + Enclosure explosion - proof pressure relief device
General Data	
Communication	RS485/CAN/LAN/4G
Communication protocols	ModBusTCP/CAN
Working temperature range	-20 ~ 50°C charge/0 ~ 50°C Discharge
Relative humidity	0 ~ 95%(No condensing)
Cooling	Air cooling (air conditioner+fan)
Noise	≤65db
Max elevation	≤2000m
Degree of protection	IP54
Dimension(W*D*H)	1500*1500*2400mm
Weight	3.2T
Installation method	Cabinet floor mounting