

INTELLIGENT ENERGY BLOCK

2508kW+5016kWh Energy Storage System



eBlock-Galaxy **1**



Economically Efficient

- 20ft 5MWh+ AC/DC "all in one" container, system cycle efficiency increased by 2%.
- 5MW/10MWh standard container design, small footprint.
- Full liquid cooling, longer system life, lower auxiliary power consumption.



Ultimate Safety

- Multi-layer fire protection design, rapid suppression of thermal runaway.
- Top burst design to prevent the risk of explosion.
- Battery health AI management, early warning of failure battery.



Efficient and Flexible

- Strong adaptability, suitable for a variety of extreme environments.
- PCAK/PCS modular design, reduce failure loss, high system availability.
- Single rack management, no inter rack circulation, improve the system energy charge/discharge capacity.



Easy Installation

- Modular products plug and play.
- Automatic SOC balancing between Packs.



Technical Data	eBlock-Galaxy-1
System Data	
Cell Type	LFP 3.2V/314AH
Battery PACK configuration	104.5kWh
Nameplate Capacity	5016kWh
DC Voltage Range	1164.8~1497.6V
AC Rated Power	2508kW
AC Rated Voltage Range	690V \pm 15%
Maximum System Efficiency	\geq 90%
Depth of Discharge	100% DOD
Communication Interface	LAN
AC Current Distortion Rate	<3%
Communication protocols	Modbus\IEC 104\IEC 61850\MQTT
Number of Cycles	\geq 7000 Cycles
System Protection Level	IP55
Operating Temperature	-35°C~ 55°C
Operating Humidity	0%RH ~ 95%RH (No condensation)
Noise	< 80db
System dimension (W * D * H)	6058 mm * 2438 mm * 3100 mm
Altitude	\leq 2000m
Thermal Management Methods	Liquid cooling (battery+PCS)
Total Weight	43000Kg
Certification	UL 1741,UL 1973 ,UL 9540A,IEC61000, IEC62619, EN50549,VDE4105,IEC62477,IEC 60730,UN3536,UN38.3