ALL IN ONE 50KW-120KWh AIR-COOLED ESS CABINET

Economical and Efficient

RTE over 90%, DOD over 95%.

Safe and Reliable

IP54, optimized ventilation design, temperature difference within 6℃

Compact & Convenient

1.16m²footprint, easy to transport and install.

Expandable & Modular

Easy modular design supports parallel connection for convenient system expansion.

Self-developed

PACK, BMS and EMS are all independently developed with good compatibility.

Easy O&M

Support multiple ways of operation and maintenance, including onsite, cloud.

Model	TG-eBank-120F(50kW)
System Parameter	
System Energy	120.576Wh
Inverter	S6-EH3P50K-H
Transformer	50kW
Communication Access Method	3P4W
Rated Output Voltage	380/400V
Rated Output Power	50kW
Cooling Method	air cooling
Placement Environment	Outdoor
Battery Cabinet+Inverter	Size:L1074*D1200*H2095mm
	Weight:1.4T
Protection Grade	IP54
General Parameter	
Combination Method	120S1P
Rated Capacity	314Ah
Factory Voltage	384V-396V
Voltage at End of Discharge	≤324V
Recommended Charging Voltage	420V
Internal Impedance	≤120mΩ
Max Charging Current(Icm)	157A
Limited Charging Voltage(Ucl)	432V
Max Discharging Current	157A
Discharge Cut-off Voltage(Udo)	300V
Operation Temperature Range	Charge:0~55℃/Discharge:-20~55℃
Storage Temperature Range	-20℃~50℃
Single Pack Size/Weight	W519*D940*H230 150kg Quantity:6pcs
High Pressure Box Size/Weight	W488*D574*H230 25kg Quantity:1pcs
Inverter Parameters	
Recommended Max. PV Array Size	100kW
Max. Usable PV Input Power	96kW
Max. Input Voltage	1000V
Rated Voltage	600V
Start-up Voltage	180V
MPPT Voltage Range	150-850V
Max. Input Current	4*40A
Max. Short Circuit Current	4*60A
MPPT Number/Max Input Strings Number	4/8
Battery Type	Li-ion
Battery Voltage Range	150-800V
Max. Charge/Discharge Current	70A*2
Number of Battery Port	2
Maximum Charge/Dischargecurrent of Each Port	70A
Communication	CAN/RS485
Rated Output Power	50kW
Max. Apparent Output Power	1.4 times of rated power, 10s 1.6 times of rated power,200ms
Back-up Switch Time	< 10ms
Rated Output Voltage	3/N/PE, 220V/380 V3/N/PE, 230V/400V
Rated Frequency THDv(@linearload)	50 Hz/60 Hz
Rated Frequency THDv(@linearload)	< 3%