ALL IN ONE 80KW-160KWh 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-160F(80kW)
System Parameter	
System Energy	160.768Wh
Inverter	S6-EH3P80K10-NV-YD-H
Transformer	80kW
Communication Access Method	3P4W
Rated Output Voltage	380/400V
Rated Output Power	80kW
Cooling Method	air cooling
Placement Environment	Outdoor
Battery Cabinet+Inverter	Size:L1450*D1000*H1900mm
	Weight:1.4T
Protection Grade	IP54
General Parameter	
Combination Method	160S1P
Rated Capacity	314Ah
Factory Voltage	512V-328V
Voltage at End of Discharge	≤432V
Recommended Charging Voltage	560V
Internal Impedance	≤120mΩ
Max Charging Current(Icm)	157A
Limited Charging Voltage(Ucl)	576V
Max Discharging Current	157A
Discharge Cut-off Voltage(Udo)	400V
Operation Temperature Range	Charge:0~55℃/Discharge:-20~55℃
Storage Temperature Range	-20℃~50℃
Single Pack Size/Weight	W519*D940*H230 150kg Quantity:8pcs
High Pressure Box Size/Weight	W488*D574*H230 25kg Quantity:1pcs
Inverter Parameters	
Recommended Max. PV Array Size	80kW
Max. Usable PV Input Power	160kW
Max. Input Voltage	1000V
Rated Voltage	600V
Start-up Voltage	180V
MPPT Voltage Range	150-950V
Max. Input Current	10*42A
Max. Short Circuit Current	10*60A
MPPT Number/Max Input Strings Number	10/20
Battery Type	Li-ion
Battery Voltage Range	300-950V
Max. Charge/Discharge Current	100A*2
Number of Battery Port	2
Maximum Charge/Dischargecurrent of Each Port	100A
Communication	CAN/RS485
Rated Output Power	80kW
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%