

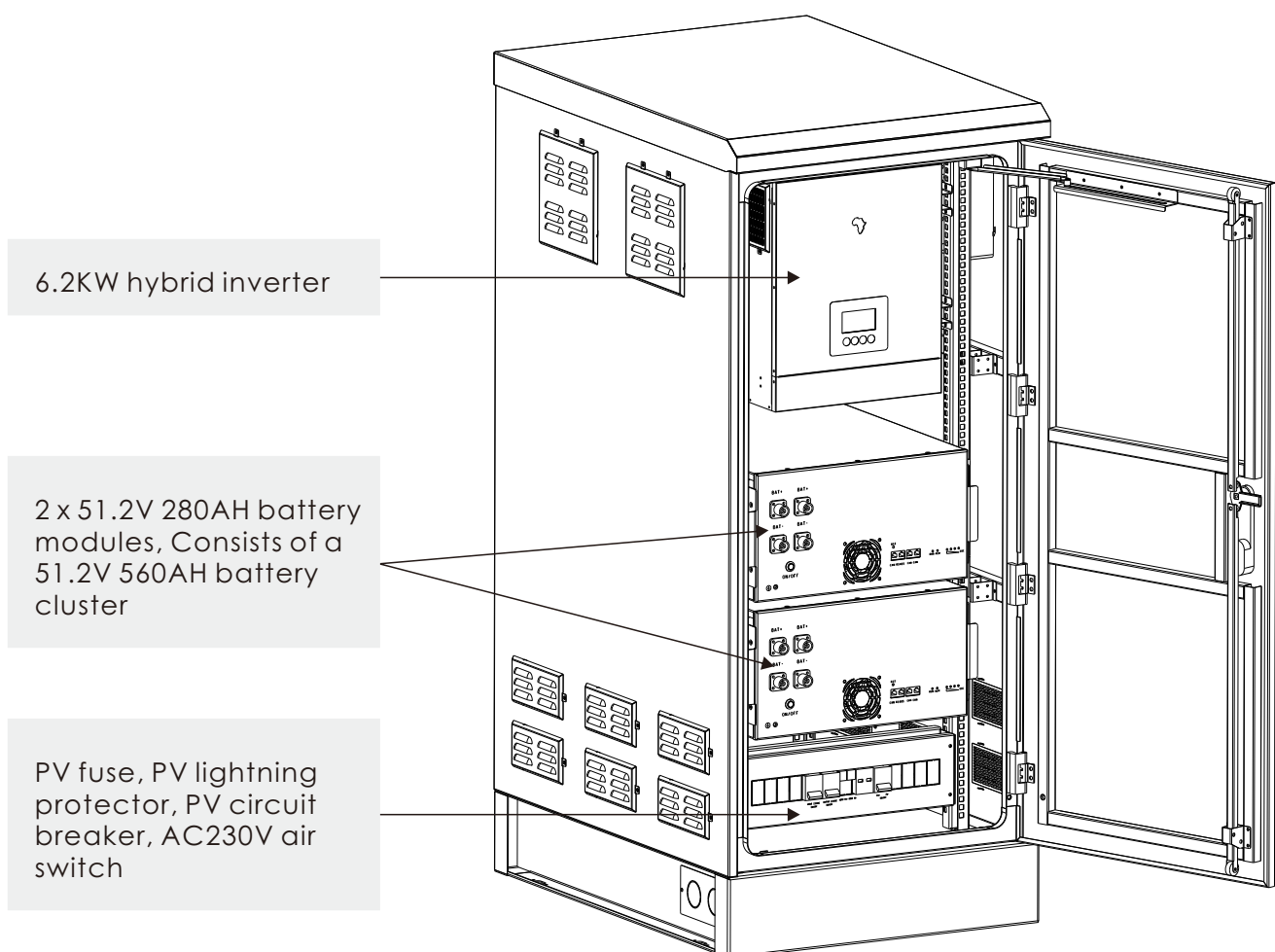


6.2KW/28KWH Outdoor ESS Cabinet

Features

- The energy storage cabinet consists of 2 51.2V 280AH battery packs, and the 51.2V 560AH DC source supplies power to the inverter;
- Adopt 6.2KW hybrid inverter, support mains, solar energy, battery input at the same time;
- Optional mains priority or solar priority mode to supply power to the load, when there is no mains or insufficient solar energy, the battery will supply power to the load;
- Mains and solar power can charge the battery at the same time;
- High voltage battery, higher efficiency, low calorific value;
- Built-in 4 x 65W fans;

Product Structure





Technical parameter

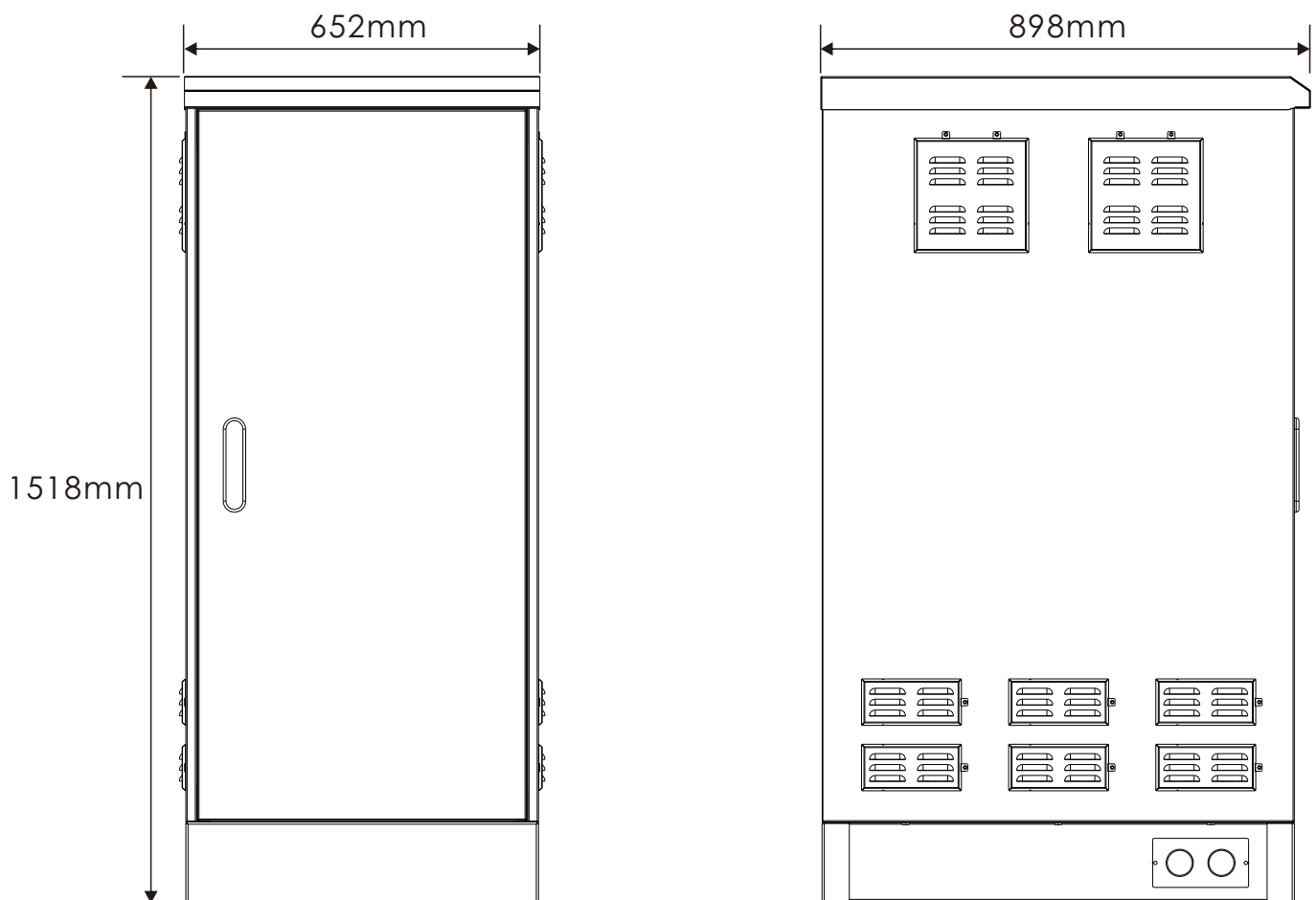
DC parameters	
Battery type	Lithium iron phosphate
Cycle Life	6000 (@25°C, 0.5C/0.5C, 70%EOL)
Cell specification	3.2V 280AH
Battery cluster specifications	2P16S
Number of battery clusters	1 cluster
BATTERY RATED CAPACITY	28KWH
Nominal voltage	51.2VDC
Operating voltage range	45~58VDC
BMS communication	CAN/RS485
AC parameters	
Rated AC power	6.2KW
Rated voltage	AC230V
Maximum AC current	26.9A
Total Harmonic Distortion	<3%
Power factor	0.8 leading to 0.8 lagging
Grid frequency	50/60HZ
Maximum Efficiency	97.6%
MPPT charger	
Maximum DC input power	6.5KW
Maximum DC input voltage	500VDC
Starting voltage	90VDC
MPPT voltage range	60-450VDC
Full load DC voltage range	240-450VDC
DC rated input voltage	360VDC
PV input current	22A
MPPT input	1 channel
MPPT Conversion Efficiency	99.9%



Technical Parameter

System Parameters:	
Size(W*D*H)	898*652*1518mm
Degree of protection	IP55
Operating temperature	Charging 0°C~55°C, discharging -20°C~55°C, >45°C inverter derating output
Working humidity	0~95% frost-free
Maximum Sea Dial Altitude	3,000 m (9,842 ft)
Chilling method	air cooling

Product Size





Product Diagram



Front view



Side view



Cabinet interior display



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