

POWER SUPPLY SYSTEM CABINET

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Model		Power supply system cabinet
Solar energy input	Maximum DC power	15000 W
	Optimum operating voltage	120 Vdc
	Maximum input current	200 A
	MPPT voltage range	60 ~ 150 Vdc
	MPPT number of traced paths	5
AC input	Rated input voltage	220 Vac
	Input voltage range	85 ~ 300 Vac
	Input frequency	50 / 60 Hz
	Maximum input current limit	≤ 55 A (single phase)
	Power factor	> 99 %
Battery configuration	Battery voltage range	43.2 ~ 56 Vdc
	Rated battery voltage	51.2 Vdc
	Battery charge / discharge power	5120 W (charge) / 10240 W (discharge)
	Maximum charge / discharge current	100 A (charge) / 200 A (discharge)
	Communication method	RS485
DC output (3 channels)	Output DC voltage range	42 ~ 58 Vdc
	Output DC voltage	54.0 Vdc
	Output DC current	0 ~ 200 A
	Output efficiency	≥ 96 % pure electric mode, ≥ 95 % pure solar mode
Inverter AC output (1 channel)	Output AC voltage	220 Vac ± 2 %
	Output frequency	50 / 60 Hz ±1
	Maximum output power	4500 W
Application environment	Operating temperature	-10 ~ +50 °C
	Operating altitude	< 2000 m
	Storage temperature	-20 ~ +60 °C
	Relative humidity	5 % ~ 90 %
	Noise	< 30 dB
Mechanical appearance	Size	750 x 750 x 1671.5 mm
	IP class	IP 43
	Cooling method	Temperature controlled heat dissipation
	Installation method	On ground
	Communication method	RS458, WiFi