

Power Mega Series PMA-A050K-P-103K

AI-Powered Battery Safety Detection and Customer Service



Safe

Intelligent early warning and precise thermal management.

Simple

Occupies only 1.42 m² per cabinet.

Smart

Remote monitoring.

Scalability

Supports parallel expansion for a scalable power range from 50 kW to 150 kW.

Technical Parameters

	Model	PMA-A050K-P-103K
PV	Maximum Input Power	50 kW
	Startup Voltage	200 V
	Max. DC input voltage	850 Vdc
	Rated DC input voltage	620 Vdc
	MPPT voltage range	200-850 Vdc
	Qty. of MPPT	4
	Qty. of single-channel MPPT input channels	2
	Max. input current (Each MPPT)	30 A × 4
Battery	Max. short circuit current (Each MPPT)	40 A × 4
	Nominal capacity	103 kWh
	Rated voltage	691.2 Vdc
	Battery voltage range	604.8 ~ 777.6 Vdc
	Rated charge/discharge current	75 A
	Max. charge/discharge current	90 A
AC	Rated output power	50 kW
	Rated input power	50 kW
	Max. output current	75 A
	Rated voltage(input&output)	3L/N/PE 400 V
	Grid frequency	50 Hz/60 Hz
	THDu	<3% @ rated power & linear load
System	Weight	Net weight 1480kg, gross weight with packaging 1,570 kg
	Dimensions	960 × 1650 × 2,245(W× D× Hmm)
	Packing dimension	1030 × 1720 × 2,400(W× D× Hmm)
	Communication mode	RS485, Ethernet, 4G
	Operating temperature	-20 °C~ 50 °C(>45 °Cderating)
	Storage temperature	-20 °C ~ 45 °C
	Relative humidity	5 ~ 95%, no condensing
	Altitude	3,000 m (>2,000 m derating)
	Ingress protection	IP54
	Battery certification	IEC 62619, IEC61000, UN 38.3
	Inverter certification	IEC61000, IEC62477, IEC62109 , EN50549-1

※ Information may be subject to modify without notice.

If there is any change in product size and parameters, please refer to the latest information without prior notice.