

All-in-one Energy Storage System

Highly Reliable

- Built-in BMS architecture, with an excellent protective mechanism
- IP55 protection design, can be installed under the eaves
- Real-time data monitoring and comprehensive data life cycle recording

Highly Integrated

- Module-level equalization
- Mobile APP is available for data visualization, big data analytics, and reporting statistics

Highly Flexibility

- Plug-and-play construction
- Complete module design and configuration as needed
- Support PV connected
- Support on/off grid applications



Up to 1C charge/discharge



Plug-and-play (all cables included)



10 years warranty



App Monitoring



IP55 protection



All-in-one Energy Storage System

TECHNICAL PARAMETER

ITEMS		H-A51200S
AC	Nominal Output Power	6 kW
	Nominal Voltage	220 / 230 / 240 V
	Nominal Frequency	50 / 60 Hz
	Output THDu	< 2%
	Nominal Output Current	27.2 A
	Max. Efficiency	98 %
PV	Max. Input Power	9 kWp
	Starting Voltage	95 V
	Max. Input Voltage	600 V
	MPPT Voltage Range	80 ~ 550 V
	Full Load MPPT Voltage Range	350 ~ 500 V
	Max. Input String Per MPPT	1
	Number of MPPT	2
	Nominal Input Voltage	360 V
Battery	Nominal Voltage	51.2 V
	Nominal Capacity	10.44 kWh
	Maximum Charging/Discharging Current	160 A
	Peak Discharge Current	200 A @2min 25 °C
	Maximum Terminal Overcurrent Capacity	200 A
General Parameter	Altitude	2000 m
	Size (W × H × D)	620 × 1650 × 215 mm
	Weight	145 kg
	Cooling Method	Natural Cooling
	Ingress Protection Grade	IP55
	Operating Temperature Range	0 ~ 50 °C
	Operating Humidity Range	0 ~ 95 %
	Cycle Life	8000
	Communication Port	RS485, CAN, Wi-Fi
	Safety Certificate	CE, UN38.3, IEC 62619
	Grid Certificate	VDE-AR-N 4105, C10-11, 698/G99, CEI 0-21, EN50549, NRS 097-2-1, AS 4777.2, R25, UNE217001, UNE217002, NTS 2.1

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POWERROAD reserves the right to modify the specifications and features without prior notice.