

STORAGE SYSTEM

600KWH

AQUEOUS METAL CELLS



SPECIFICATION

MODEL		WP-590	Unit
STANDARD		UL 9540 UL 9540A UL 1973 IEC 62933-5-2 IEC 63115-2 IEC 61000-6-2/4, IEC 62477-1	-
COLOR OPTION		Customizable	-
Performance Values	Dimensions (W × D × H)	7,450 × 2,438 × 2,896	mm
	Weight	22.3	T
	Energy Capacity	600	kWh
Electrical Parameters	Rated Voltage	400	V AC
	Rated Current	433.32	A
	AC Interface	3 PH + PE	-
	AC Frequency	50/60	Hz
	Max Power	300	kW
	Charge/Discharge Rate	0.1~0.5	C
Features	Round-trip efficiency	90.36	%
	Ambient Temperature (Operation)	-40 to 45 °C	°C
	Ambient Temperature (Storage)	-40 to 55 °C	°C
	Depth of discharge	100	%
	Communication Protocol	Modbus TCP	-
Mechanical & Environment	Enclosure Protection Rating	RSIIC: IP55	-
	Altitude (Installation)	≤ 2,000	m
	Seismic Performance	Seismic fortification intensity ≥ 8 degrees; SDS ≥ 0.24g and SD1 ≥ 0.16g per ASCE 7	-
	Cooling Method	Air-cooled	-
Safety	Battery Chemistry	Aqueous metal cell	-
	Cycle Life	> 80% remaining capacity after 30,000 cycles	-
	Max. Daily Cycles	Up to 4 cycles per day	-

SERVICES

During the warranty period, repair or replacement of defective component will be provided at no additional cost.

1 YEAR

Product is covered under a limited warranty of 1 year from the date of delivery.

The warranty includes coverage for manufacturing defects, material failures and software malfunctions under normal conditions of use.



If you wish to extend the warranty, we also offer the option...

The warranty period can be extended to three years, during which you can enjoy free repairs and regular inspections. You can choose to extend the warranty when placing your order or separately purchase the value-added service after the warranty period expires.



4 MONTH

It only takes 4 months from order placement to factory delivery. Multiple delivery methods are available.



INSTALLATION

Equipped with pre-installed plugs and water inlet ports for convenient installation and easy maintenance.



TRAINING

Up to FIVE (5) days of in-factory training and commissioning of equipment by customer's service personnel included at the facility



DELIVER DOCUMENTS

- »» P&ID process and installation diagram
- »» Leak check test report
- »» Electrical drawings
- »» Facility connections drawing [general layout drawing]
- »» Equipment operation and maintenance manual
- »» NOVA software operation manual



For more details, please visit:
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