

APS5000 Solar Energy Storage System

Off Grid / On Grid Solar Systems
Wi-Fi Function Available

MAIN

APPLICATION

On Grid / On Grid + Backup /
Off Grid



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AESON POWER BESS

Based on lithium batteries and management systems with in-depth research and development of energy storage systems, solar power systems, backup systems, and other solutions.

SOLUTIONS

AESON POWER is a dedicated Battery Energy Storage Systems (BESS) provider. Through extensive industry research and technological innovation, AESON POWER has developed a range of reliable and cost-effective BESS battery products and solutions for the global market.



BMS R & D
Research



BESS System
Design



Technical
Support

KEY FEATURES

- 1 Safty and Reliability**
Self-managed battery with an internal smart BMS ensures a safe and reliable option for energy solutions.
- 2 Wi-Fi Function**
Supports remote fault diagnosis and the OTA upgrade function, with the APP operation interface.
- 3 Flexibility**
Support system parallel connection and enabling expand the system. Easy installation and cost savings.
- 4 Communication**
RS485 / CAN

AESON

P O W E R

51.2V Solar Energy Storage System
Wi-Fi Function Available



Battery Module	APS5000							
Battery Module Quantity	1	2	3	4	5	6	7	8
Battery System Voltage (Vdc)	51.2V							
Battery System Capacity (Ah)	100	200	300	400	500	600	700	800
Battery System Capacity (kWh)	5.12	10.24	15.36	20.48	25.6	30.72	35.84	40.96
Dimension (L * W * H, mm)	600*600*1000		600*600*1400		600*600*1800		600*600*2100	
Cabinet	Black colour with glass front door (powder coated)							
Communication	RS485/CAN							
Temperature Range	Charge: 0~60°C; Discharge: -20~60°C							
Cycle Life	≥6000 @25°C 80%DoD @25°C 60%EOL							
Humidity	5% ~ 95% (RH) No Condensation							
IP Rating	IP22							
Charge & Discharge Efficiency	95%							
Weight (Kg)	84	127	170	223	266	321	364	412



Fully Wired DC Cabling Cabinet



Cabinets can be Paralleled



Easy to Expand the System