






Residential Photovoltaic Energy Storage System (ESS),
the state-of-art intelligent power solution.

STORION-ECO S5



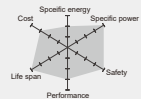
✓ Key Features

-  **On/off micro-grid compatible**
-  **Plug & play**
-  **Visual interface**
-  **UPS**
-  **24/7 Monitoring**



Real-time Monitoring

All systems can be monitored
by **Web and IOS/Android APP.**



Safest Chemistry

AlphaESS adapts Li-phosphate for its
excellent safety and long life span.

About AlphaESS

As one of the earliest pioneers in energy storage market with lithium iron technology, AlphaESS has a vision to pave the path for everyone in the world to enjoy clean energy one day.

We are a multinational company that currently has more than 10'000 residential and commercial systems running in 30 countries globally and our products are accredited by IEC, TÜV, CEC and many other international standards.

All AlphaESS energy systems are integrated with smart energy management solutions. AlphaESS is committed to revolutionize the future energy network through our patented German technologies.



Official Website



Scan to download
APP(IOS/Android)



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System Configuration

Model	Storion-ECO S5
Output power	5000W
Max. Input PV Power	6600W
Capacity Range	3kWh~16.2kWh (90%DOD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification

Model	GW5048D-ES
Max. Input PV Current	2X15A
Max. PV Input Voltage	580V
MPPT Number	2
MPPT Voltage Range	125~550V
Max. Battery Charge/Discharge Current	100A
Max. Battery Charge/Discharge Power	5000W
Phase	Single-Phase
Rated Voltage	230V
Grid Voltage Range	180~270V
Rated Frequency	50Hz/60Hz
Backup	UPS
Display	7 Inch Touch LCD
Operating Temperature	-10°C~50°C*
Humidity	15%~85% (No Condensing)
Dimension (W x D x H)	516mm x 184mm x 440mm
Weight	30kg
Grid Regulation	VDE 4105, VDE 0126, G59/3, CEI 0-21, AS 4777.2/3
Safety	IEC 62109-1&-2, IEC 62477, CE-EMC

Battery&BMS Technical Configuration

Module Model	M4860	M48112-P
Module Capacity	3~18kWh	5.4~32.4kWh
Module Weight	40kg	63kg
Dimension (W x D x H)	482 mm x 426 mm x 156mm	482mm x 580mm x 158mm
Max. Modules In Parallel	6	
Cycle Life	≥8000	≥6000
Max. Charge/Discharge Current	30A (0.5C)	56A (0.5C)

*When the temperature is below 0°C or above 40°C, the performance will be limited.



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