





5 kW All-in-One Off-Grid Energy Storage System

# STORION SERIES OF5



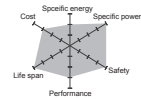
## ✓ Key Features

-  Auto-start generator compatible
-  24/7 Monitoring with local interface
-  Easy installation and low maintenance
-  Up to 10kW PV



### 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.

distribuido en Puerto Rico y el Caribe por:



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Eficiencia Energética en su

Máxima Expresión

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## System Configuration

Model	Storion-OF5		
Nominal Output Power	5000 W		
Max. Input PV Power	10 kW		
Capacity Range	5.4 kWh ~ 32.4 kWh (90% DoD)		
Battery Chemistry	LFP (LiFePO <sub>4</sub> )		
IP Protection	IP21		
Warranty	5 year product warranty / 10 year performance warranty		

## Inverter Technical Specification

Model	AEV-5048	Output Frequency	50/60 Hz
Max. Input PV Current	2 x 10 A	Peak Power	5.5 kW/1min, 7.5 kW/30s, 10 kW/1s
Max. Input PV Voltage	900 V	Display	7 Inch Touch LCD
MPPT Number	2	Communication	Ethernet
MPPT Voltage Range	250 ~ 850 V	Operating Temperature Range	-10°C ~ 50°C*
Max. Charge Power	5 kW	Humidity	15% ~ 85% (No Condensing)
Max. Discharge Power	5 kW	Dimensions (W x D x H)	460 mm x 205 mm x 600 mm
Phase	Single-Phase	Weight	29 kg
Output Voltage	208/220/230/240 Vac	Safety	IEC 62109-1&-2

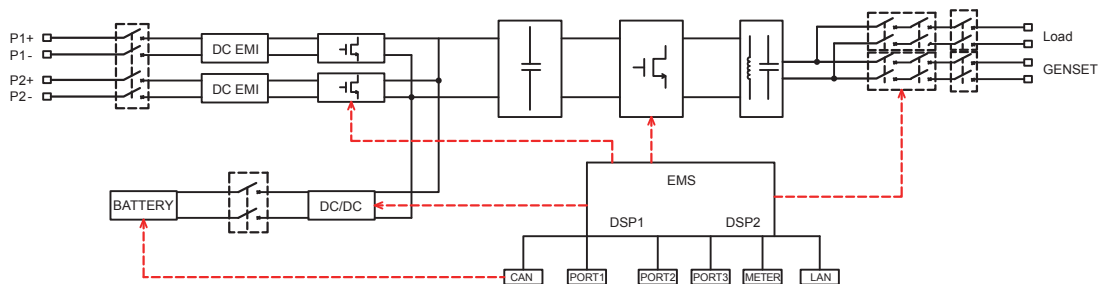
## Battery Technical Specification

Module Model	M48112-P		
Module Capacity	5.4 kWh		
Module Weight	63 kg		
Module Dimension	482 mm x 580 mm x 158 mm		
Max. Modules in Parallel	6		
Max. Charge/Discharge Current	0.5 C		
Cycle Life	≥ 6000		

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



## OF5 System Diagram



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