






GENIUS Series

Home PV ENERGY STORAGE SYSTEM, the state of art intelligent power solution

Key Features

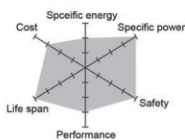
- 5 kW system
- Essential load protected
- Modular Battery
- Long lifespan
- Intelligent control
- Self sufficient

-  **Fast response**
-  **Light load threshold**
-  **UPS enabled**
-  **IP65 outdoor rated**
-  **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 EVOVO

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

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

System Configuration

Model	Genius 5 kW		
Nominal Output Power	5000 W / 4600 W (DE)		
Max. Input PV Power	6600 W		
Capacity Range	5.7 kWh ~ 34.4 kWh (90% DoD)		
Battery Chemistry	LFP (LiFePO ₄)		
IP Protection	IP65		
Warranty	5 year product warranty / 10 year performance warranty		

Inverter Technical Specification

Model	Genius Inverter		
Max. Input PV Current	2 x 12 A	Backup	UPS
Max. Input PV Voltage	580 Vdc	Display	LCD
MPPT Number	2	Communication	Ethernet
MPPT Voltage Range	125 V ~ 550 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)	600 mm x 250 mm x 600 mm
Phase	Single-Phase	Weight	60 kg
Output Voltage	180 ~ 270 Vac	Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/3, CEI 0-21: 2014, G59/3
Grid Frequency	50/60 Hz	Safety	IEC 62109-1&-2

Battery Technical Specification

Module Model	Genius Battery		
Module Capacity	5.7 kWh		
Module Weight	65 kg		
Module Dimension	600 mm x 250 mm x 600 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. 

EVVO GENIUS System Diagram

