










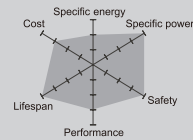
2.9 kW Solar Storage

-  AC-Coupling
-  Built-in Inverter
-  Modular Design
-  Easy installation and low maintenance
-  Blackout Protection Day and Night (UPS)
-  24/7 Monitoring
-  Clean Energy



Real-Time Monitoring

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



Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

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About AlphaESS

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

AlphaESS is a multinational company that currently has more than 10,000 residential and commercial systems running in 30 countries globally and its 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 revolutionising the future energy network through our patented German technologies.





System Specification

Model	Goanna k29
Max. AC Output Power	3000 W
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IP Protection	IP65
Dimension (W x D x H)	610mm x 236mm x 625mm
Weight	45 kg
Operating Temperature Range	-10 °C ~ 50 °C *
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification

Max. AC Input Current	13 A
Nominal AC Input Voltage	230 V
Battery Voltage Range	40 V ~ 58 V
Max. Charge/Discharge Current	60 A
Max. Charge/Discharge Power	3000 W
Phase	Single Phase
Nominal AC Output Voltage	230 V
Grid Voltage Range	180 V ~ 270 V
Rated Frequency	50/60 Hz
Backup (optional)	UPS
Grid Regulation	AS 4777.2, VDE-AR-N 4105, G83/2
Safety	IEC 62040-1, IE 62477-1

Battery Technical Specification

Module Capacity	2.9 kWh (90% DoD)
Module Nominal Voltage	51.2 V
Cycle Life	≥ 6000
Max. Charge/Discharge Current	56 A (1C)
External Battery Expansion	1 ~ 5 M4846-P in parallel

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



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