

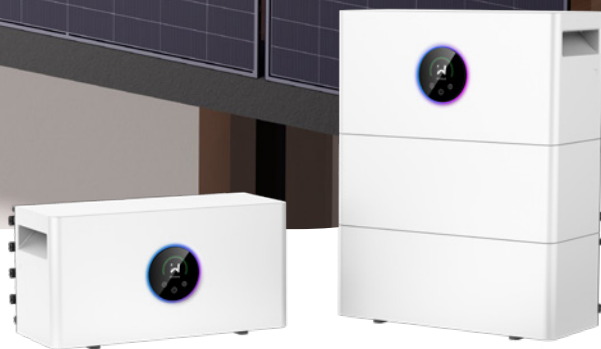


GOODWE

ESA-Athena Series

0.8kW/1.92kWh | Single Phase
Balcony All-in-One

GoodWe's ESA-Athena Series is a compact, all-in-one solar plus storage system that turns your balcony into a personal power station. It seamlessly integrates an inverter, battery, and BMS into a sleek, space-saving unit. With up to 1500 W AC power, it delivers fast charging and reliable off-grid output for home backup and outdoor power needs. The stackable design allows effortless capacity expansion and adapts from a single panel to multiple arrays. Quiet and easy to install within minutes, ESA-Athena combines smart energy management with seamless Shelly plug integration, providing enhanced control over your power. It's a perfect combination of simplicity, style, and smart energy management.



All-in-One Design

- Integrated inverter, battery, and BMS in one compact unit
- Stackable to 9.6kWh - supports mixing old and new batteries
- Plug-in system, DIY



Superb Safety & Reliability

- Built-in aerosol fire suppression system
- Works seamlessly with Shelly meters for accurate energy tracking
- Self-heating technology ensures reliable performance down to -20°C



Excellent Electrical Performance

- 4 MPPTs with 2400W PV input
- 1500W AC charging power for fast charging
- 1500W off-grid output for reliable home backup and outdoor power needs

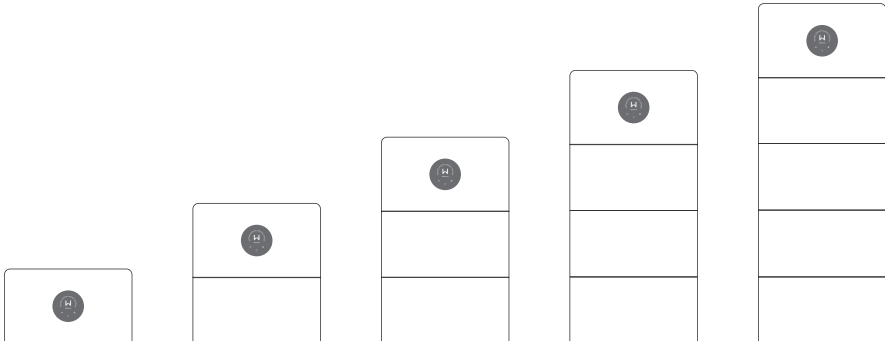


High Quality

- 10-year warranty, designed for European homes
- Certificated by TUV
- Handles -20°C to 55°C

Technical Data		GW0.8/1.9-ESA-PS-G10
Battery Data		
Battery Type	LFP (LiFePO4)	
Rated Capacity (Ah)	100	
Rated Energy (kWh)	1.92	
Nominal Voltage (V)	19.2	
Max. Input / Output Power (kW)-Basic Unit	1.6 / 1.6	
Max. Input / Output Power (kW)-With Expandable Battery	2.4 / 1.6	
Cycle Life	>6000 (25 ± 2°C 0.5P 100%DOD 70%EOL)	
PV String Input Data		
Max. MPPT Input Power (kW)	2.4	
Max. Input Voltage (V)	60	
Operating Voltage Range (V)	13 ~ 60	
Max. MPPT Current (A)	18 / 18 / 18 / 18	
Max. MPPT Short Circuit Current (A)	20 / 20 / 20 / 20	
Number of MPP Trackers	4	
Number of Strings per MPPT	1	
AC Output Data (On-grid)		
Nominal Power (kW)	0.8	
Max. Current to Grid (A)	3.6 @ 220V	
	3.5 @ 230V	
	3.3 @ 240V	
Max. Apparent Power from Grid (kVA)	1.5	
Max. Current from Grid (A)	8.8	
Nominal Voltage (V)	220 / 230 / 240, L / N / PE	
Nominal Frequency (Hz)	50 / 60	
Power Factor	~1 (adjustable from 0.8 lagging to 0.8 leading)	
THDi	3%	
AC Output Data (Back-up)		
Max. Output Apparent Power (kVA)	1.5	
Max. Output Current (A)	6.8	
Nominal Output Voltage (V)	220 / 230 / 240, L / N / PE	
Nominal Output Frequency (Hz)	50 / 60	
THDu	<3%	
Switching from Grid Connected Mode to Standalone Mode (ms)	<10	
Protection		
PV Insulation Resistance Detection	Integrated	
Anti-islanding Protection	Integrated	
AC Overcurrent Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Overvoltage Protection	Integrated	
AC Surge Protection	Type III	
Fast AC Discharge	Integrated	
Fire Safety Equipment	Optional (Aerosol)	
General Data		
Operating Temperature Range (°C)	-20 ~ +55 (With Heating)	
Relative Humidity	0 ~ 95%	
Max. Operating Altitude (m)	3000	
Communication Interface	Bluetooth, Wi-Fi	
Weight (kg)	26	
Dimension (W × H × D mm)	480 × 249 × 260	
Noise Emission (dB)	23	
Topology	Isolated	
Ingress Protection	IP65	
Protection Class	Class II	
Warranty (year)	10 Years	

*: Please visit GoodWe website for the latest certificates.

Technical Data		GW01.9-BAT-LVD-G10				
Battery Data						
Battery Type	LFP (LiFePO4)					
Rated Capacity (Ah)	100					
Rated Energy (kWh)	1.92					
Max. Charge / Discharge Power (kW)	1.6 / 1.6					
Cycle Life	>6000 (25 ± 2°C 0.5P 100%DOD 70%EOL)					
General Data						
Operating Temperature Range (°C)	-20 ~ +55 (With Heating)					
Relative Humidity	0 ~ 95%					
Max.Operating Altitude (m)	3000					
Weight (kg)	21					
Dimension (W × H × D mm)	480 × 180 × 260					
Ingress Protection	IP65					
Protection Class	Class II					
Fire Safety Equipment	Aerosol (Optional)					
Warranty (year)	10 Years					
*: Please visit GoodWe website for the latest certificates.						
						
Number of Battery Modules (pcs)	1	2	3	4	5	
Total Energy Capacity (kWh)	1.92	3.84	5.76	7.68	9.60	