

Micro-grid ESS Product

JAG-HS-500kW-1075kWh



| Advantages

Safety & Reliability



- LFP battery cells for safety and extended lifespan
- Physical isolation between the battery and electrical compartments prevents thermal transmission

Flexibility & Compatibility



- Multi-source inputs / outputs (PV / Battery / DG / Grid / Load)
- Configurable operating modes for diverse scenarios
- On/Off-grid seamless switching (< 20 ms)

Intelligence & Efficiency



- Real-time system monitoring with cloud connectivity
- Integrated plug-and-play design for rapid installation
- Advanced battery management system and comprehensive thermal management system

Technical Specifications

Model		JAG-HS-500kW-1075kWh
DC Side	Cell Type	3.2 V / 280 Ah, LFP
	Nominal Voltage	768 V, 5P240S
	Nominal Energy	1075 / 1290 kWh
	Operating Voltage Ranger	672 V to 850 V
	Max. Continuous Charge / Discharge Rate	0.5 P @ 25 °C
	Cycle Life	≥ 6000
AC Side	Rated Power	500 kW
	Rated Grid Voltage	400 V
	Grid Voltage Range	320 V to 460 V
	Rated Output Current	722 A
	Rated Grid Frequency	50 / 60 Hz
	Power Factor	1.0 leading to 1.0 lagging
	Overload Capacity	110 % long term, 120 % 1 minute
	AC Output	3W + N + PE
	Isolation Transformer	315 / 400 Vac
	On/Off-grid Switching	Support (< 20 ms)
PV Side	Max. PV Input Voltage	1000 Vdc
	Max. PV Power	660 kWp to 825 kWp
	MPPT Operating Voltage Range	250 Vdc to 950 Vdc
System Parameters	Dimensions (W × D × H)	6058 mm × 2438 mm × 2896 mm
	Weight	≤ 21 t
	Operating Temperature	0 to +45 °C
	Humidity	0 to 95 % RH (non-condensing)
	Protection Level	IP54
	Anti-corrosion Level	C4M
	Noise Level	< 75 dB
	Altitude	2000 m
	Cooling Method	Air Cooling
	Fire Fighting System	Heptafluoropropane
	EMS Communication	RS485, TCP / IP

* Specification indexes may be subject to changes without prior notice.



JA Solar Technology Co., Ltd.

✉ ess@jasolar.com

🌐 www.jasolar.com/ess

Micro-grid ESS Product

JAG-HS-1000kW-2150kWh



| Advantages

Safety & Reliability



- LFP battery cells for safety and extended lifespan
- Physical isolation between the battery and electrical compartments prevents thermal transmission

Flexibility & Compatibility



- Multi-source inputs / outputs (PV / Battery / DG / Grid / Load)
- Configurable operating modes for diverse scenarios
- On/Off-grid seamless switching (< 20 ms)

Intelligence & Efficiency



- Real-time system monitoring with cloud connectivity
- Integrated plug-and-play design for rapid installation
- Advanced battery management system and comprehensive thermal management system

Technical Specifications

Model		JAG-HS-1000kW-2150kWh
DC Side	Cell Type	3.2V / 280Ah, LFP
	Nominal Voltage	768 V, 10P240S
	Nominal Energy	1935 / 2150 kWh
	Operating Voltage Range	672 V to 850 V
	Max. Continuous Charge / Discharge Rate	0.5 C @ 25 °C
	Cycle Life	≥ 6000 (90 % DOD)
AC Side	Rated Power	1000 kW
	Rated Grid Voltage	400 V
	Grid Voltage Range	320 V to 460 V
	Rated Output Current	1444 A
	Rated Grid Frequency	50 / 60 Hz
	Power Factor	1.0 leading to 1.0 lagging
	Overload Capacity	110 % long term, 120 % 1 minute
	AC Output	3W + N + PE
	Isolation Transformer	315 / 400 Vac
	On/Off-grid Switching	Support (< 20 ms)
PV Side	Max. PV Input Voltage	1000 Vdc
	Max. PV Power	1320 kWp to 1650 kWp
	MPPT Operating Voltage Range	250 Vdc to 950 Vdc
System Parameters	Dimensions (W × D × H)	12192 mm × 2438 mm × 2896 mm
	Weight	≤ 38 t
	Operating Temperature	0 to +45 °C
	Humidity	0 to 95 % RH (non-condensing)
	Protection Level	IP54
	Anti-corrosion Level	C4M
	Noise Level	< 75 dB
	Altitude	2000 m
	Cooling Method	Air Cooling
	Fire Fighting System	Heptafluoropropane
	EMS Communication	RS485, TCP / IP

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