



GreenArk Ultra

Plug-in Stackable Hybrid Storage System

Max 4000W PV Input

4 MPPT



Max 2500W
Input/Output

Default on-grid 800W



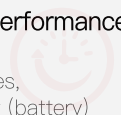
Stacked Design

5–20kWh modular
expansion on-demand



Long-lasting Performance

Up to 8,000 cycles,
10-year warranty (battery)



Support Parallel Function

Max 1P quantity: 3pcs
Max 3P quantity: 9pcs



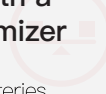
Self-Heating Technology

Stable operation
at -20°C



Equipped with a
Battery optimizer

Supports mixing
new and used batteries



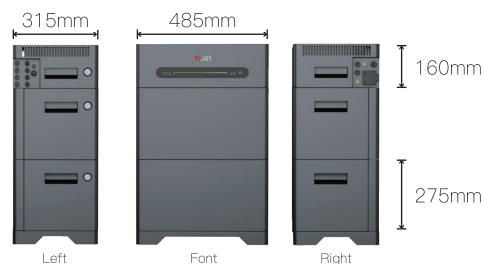
Anti Feed-in Power

Compatible with Shelly,
Tibber, HomeWizard, etc.



JMSS-2500

Plug-in Stackable Hybrid Storage System



Inverter JMSS-2500

PV Input (DC)

Adapt power	(360Wp~1000Wp)*4
Maximum Input Voltage	115 V
MPPT Voltage	22~100 V
Number of MPPTs	4
Starting Voltage	20 V
Maximum Input Current (Single Channel)	18 A
Maximum Input Short-Circuit Current	25A*4

AC Input/Output (On-Grid)

Grid Type	Single-Phase 2 Wire (L, N) + Protective Earth (PE)
Rated Input/Output Power	2.5 kW / 0.8 kW
Rated Output Voltage	230 Va.c./184~253 Va.c.
Rated Output Current	11 A
Rated Frequency Range	50 Hz/60 Hz Auto-Sensing
Power Factor	>0.99
THDi	<3%

Back-up (Off-Grid)

Rated AC Output Power	2.5 kW
Overload Rating	5 min (100%~120% Rated Load) / 10 s (120%~150% Rated Load)
THDV	<2%
UPS Switch Time	≤10 mS
Parallel Operation	Recommend 1 unit in single-phase; 3 units in three-phase

Efficiency

MPPT Efficiency	99.80%
Night Power Consumption	<800 mW (Grid Side)

General Parameters

Operating Ambient Temperature	-20~ +55 °C
Net Weight	12.5 kg
IP Protection	IP65
Cooling Method	Natural Cooling (Fanless)
Communication Method	Bluetooth, Wi-Fi, LoRa
Monitoring Method	APP
Isolation Characteristics	High-Frequency Transformer Electrical Isolation (PV to Grid Isolation)

Battery

Parameter

Battery Voltage Range	62~66 V (Battery Pack with Built-In Optimizer)
Rated Voltage	64 V
Maximum Continuous Discharge Current	44 A
Communication Method	CAN
Cell Capacity	LiFePO ₄ 314 Ah/5024 Wh
Cycle Life	10000 (25°C, 0.5C, 90%DOD, 70%EOL)

Features

Operating Ambient Temperature	-20 ~ +55°C
Weight	47 kg
IP Protection	IP65
Heating Function	Yes
Parallel Function	Up to 4 Packs
Cooling Method	Natural Cooling
Communication Method	CAN
Monitoring Method	WiFi, Bluetooth