

S2400

All-in-one Plug & Play

Energy Storage System



Balcony



Garden



Roof



Outdoors



Residential Micro Energy Storage System



1000W×2

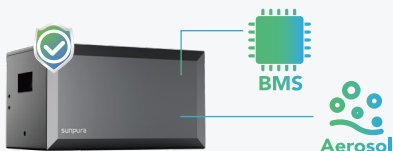
MPPT×2



Smart Plug/Meter Ready

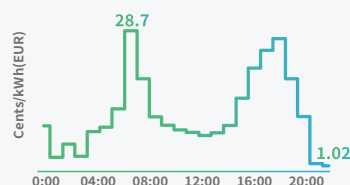


System + Physical Dual Protection



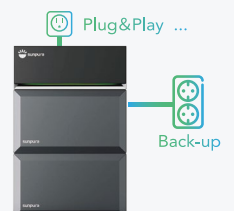
Supports Dynamic Pricing

Maximize Revenue



PLUG & PLAY AC Couple

Flexible expansion
Easy installation



Reliable Performance



Remote APP

Remote Control



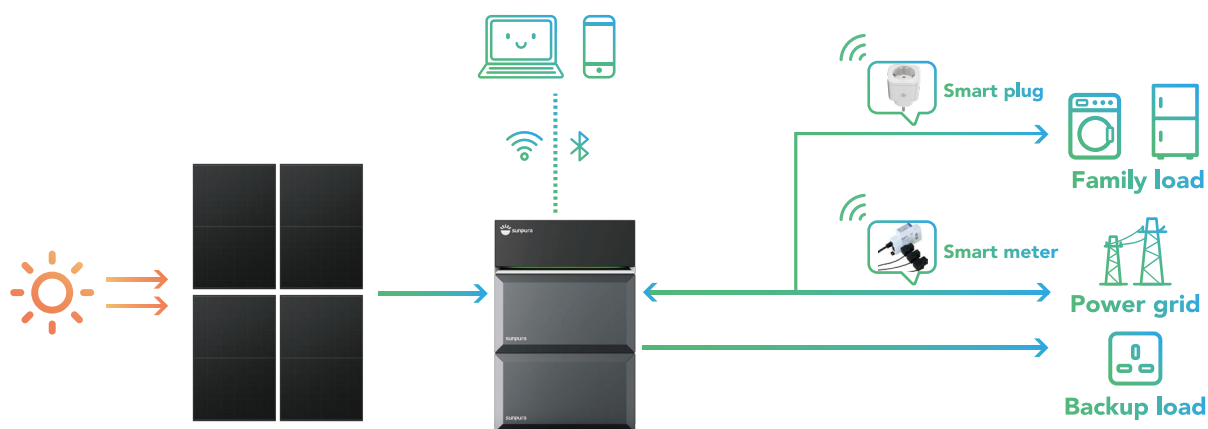
Expansion up to **9.6kWh**

2.4kWh



Technical Parameters

MODEL	S2400
PV INPUT	
MPPT Voltage Range	10-100V
Max Input Voltage	100V
Max Input Current	16A x 2
Min Input Voltage	10V
Max Input Power	1000W x 2
MPPT Efficiency	>99.5%
Peak Conversion Efficiency	98%
AC Output	
AC Output (On/Off Grid)	On Grid:800W / Off Grid:2400W
Frequency	50Hz
Rated Voltage	230V
Peak Output power (5s)	3600W
BATTERY DATA	
Battery Type	LiFePO ₄
Cycles	8000
Battery Voltage	42-54V
Max Charging / Discharging Current	65/52A
Nominal Voltage	48V
Capacity	2400Wh
GENERAL DATA	
Charging / Discharging Temperature	-20~55°C/-20~60°C
Weight (Power Box/Battery Box)	43.1kg (A2400: 15kg/B2400: 28.1kg)
Ingress Protection	IP65
Dimensions (WxHxD)	450x431x290mm (Height: A2400: 176mm/B2400: 255mm)
Overvoltage / Overcurrent / Short Circuit / Temperature Protection	Integrated
Communication Method	WIFI/Bluetooth
Relative Humidity Range	0-100%
Certificates	CE/EMC, RF, LVD, CB, ROHS, REACH, UN38.3, MSDS, Transportation of Goods, IP65, WEEE, VDE4105, EN50549 CEI 0-21, VDE0126, OVE R25, C10/11



*NOVGEN reserves the right of final interpretation. 202503_V1_EN



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