

sunpura

Plug-In Home Battery

- All-in-One Stackable Design – Integrates MPPT, battery, BMS, and EMS for powerful functionality
- Quick plug-and-play setup for instant energy independence
- Ecosystem integrated with smart meters and smart home devices
- AI-driven energy management for higher efficiency and ROI

2400W

Max. charging and
discharging power

10 Years

Warranty

4400Wp

Max PV Input (PV + Miro INV)

8000

Cycles

\$2400

\$4800



sunpura Ecosystem



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Supports Dynamic Tariffs

700+

European Power Suppliers

sunpura HOME^{AI}

- AI-driven HEMS
- Personalized control
- Secure and reliable (GDPR compliant)



Reliable and Safe Guarding



Two Module Options

2.4kWh
Up to 9.6 kWh

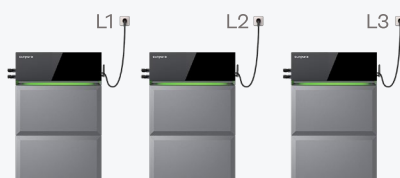


4.8kWh
Up to 14.4 kWh



Parallel Expansion

Max - 7.2kW / (28.8kWh/43.2kWh)



Scenario



Balcony



Garden



Outdoors

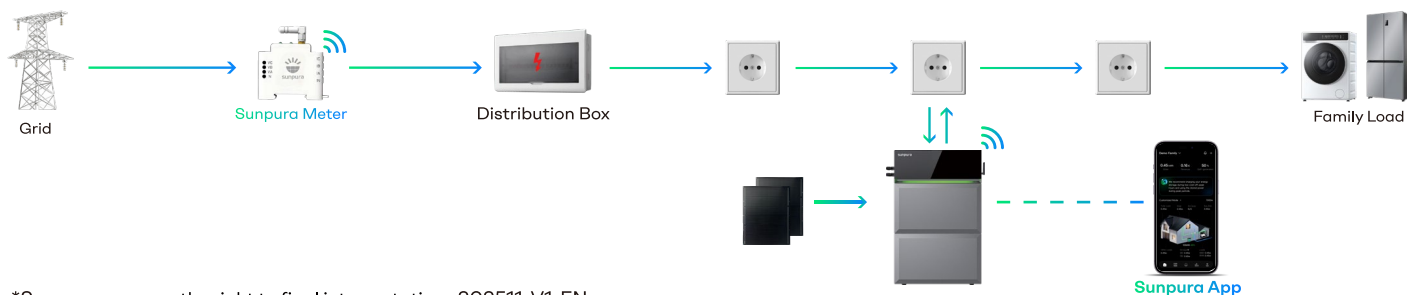


Roof

Technical Parameters



MODEL	S2400	S4800
PV TERMINAL		
Max Input Voltage	100V	
Max Input Current	16A x 2	
Max Input Power	1000Wp x 2	
Operation Voltage Range	10-100V	
BATTERY DATA		
Rechargeable Li-ion Battery	LiFePO ₄	
Battery Nominal Voltage	48V	
Max Charging / Discharging Current	50A	
Rated Power (Single Device)	2400W	
Cycles	8000 cycles 70%SOH (1.0C)	6000 cycles 70%SOH (1.0C)
Battery Depth of Discharge (DOD)	90%	
Rated Energy	2400Wh	4800Wh
AC INPUT (ON-GRID TERMINAL)		
Max AC Input Power	2400W	
Max AC Input Current	11A	
AC Nominal Input Voltage	L + N + PE, 220VAC / 230VAC, 50Hz	
AC OUTPUT (ON-GRID TERMINAL)		
Rated AC Output Power	800W	
Rated AC Output Current	3.5A	
Max AC Output Power	2400W	
Max AC Output Current	10.9A	
AC Nominal Output Voltage	L + N + PE, 220VAC / 230VAC, 50Hz	
AC OUTPUT (OFF-GRID TERMINAL)		
Max AC Output Power	2400W	
Max AC Output Current	10.9A	
Max AC Input Power (AC Coupled)	2400W	
Max AC Bypass Output Power	2400W	
Peak Output power (5s)	3600W	
AC Nominal Output Voltage	L + N + PE, 220VAC / 230VAC, 50Hz	
GENERAL DATA		
Protective Class	Class I	
Operating Temperature Range	-20°C to 55°C	
Ingress Protection	IP65	
Net Weight	A2400 (Power Box) : 14.3kg B2400 (Battery Box) : 26.5kg	A2400 (Power Box) : 14.3kg B4800 (Battery Box) : 47.85kg
Dimensions (WxHxD)	450x430x285mm (Height: A2400: 170mm / B2400: 260mm)	450x645x285mm (Height: A2400: 170mm / B4800: 475mm)
Overvoltage /Overcurrent /Short Circuit / Temperature Protection	Integrated	
Communication Method	WIFI / Bluetooth	
Warranty	10 Years	
Certificates	CE/EMC, RED, LVD, CB, ROHS, REACH, UN38.3, MSDS, Transportation of Goods, IP65, WEEE, VDE4105, EN50549, CEI 0-21, VDE0126, OVE R25, C10/11	



*Sunpura reserves the right to final interpretation. 202511_V1_EN



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