

# 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 +Micro INV)

**8000**

Cycles



### sunpura Ecosystem



sunpura



### Supports Dynamic Tariffs

**870+**

European Power Suppliers

### sunpura HOME <sup>AI</sup>

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



### Reliable and Safe Guarding



IP65



BMS



Aerosol

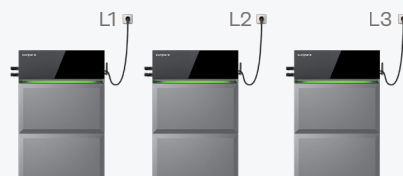
### Power Grows With Your Needs

2.4kWh  
Up to 9.6 kWh



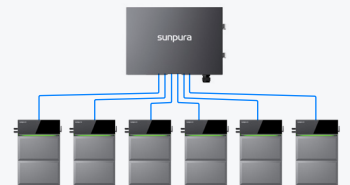
### Parallel Expansion

Max - 7.2kW / 28.8kWh



### Parallel Box Expansion

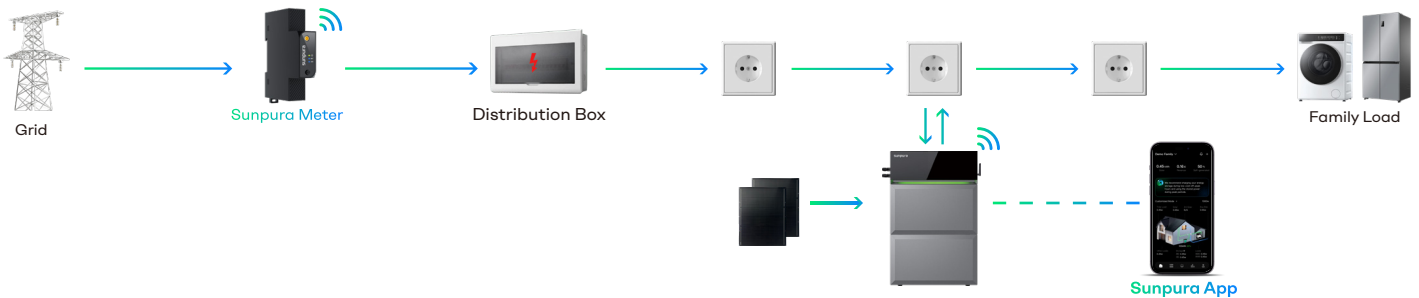
Max - 14.4kW / 57.6kWh



# Technical Parameters



MODEL		S2400
<b>PV TERMINAL</b>		
Max Input Voltage		100V
Max Input Current		16A x 2
Max Input Power		1000Wp x 2
Operation Voltage Range		10-100V
<b>BATTERY DATA</b>		
Rechargeable Li-ion Battery		LiFePO <sub>4</sub>
Battery Nominal Voltage		48V
Max Charging / Discharging Current		50A
Rated Power (Single Device)		2400W
Cycles		8000 cycles 70%SOH (1.0C)
Battery Depth of Discharge (DOD)		90%
Rated Energy		2400Wh
<b>AC INPUT (ON-GRID TERMINAL)</b>		
Max AC Input Power		2400W
Max AC Input Current		11A
AC Nominal Input Voltage		L + N + PE, 220VAC / 230VAC, 50Hz
<b>AC OUTPUT (ON-GRID TERMINAL)</b>		
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
<b>AC OUTPUT (OFF-GRID TERMINAL)</b>		
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
<b>GENERAL DATA</b>		
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
Dimensions (WxHxD)		450x430x285mm (Height: A2400: 170mm / B2400: 260mm)
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. \_202606\_V1\_EN



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