

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

2000Wp

Max PV Input

≥8000

Cycles



sunpura HOME ^{AI+}

- AI-driven HEMS
- Personalized control
- Secure and reliable



Reliable and Safe Guarding



Power Grows With Your Needs

2.4kWh
Up to 9.6 kWh



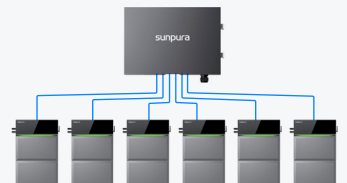
Parallel Expansion

Max - 7.2kW / 28.8kWh



Parallel Box Expansion

Max - 14.4kW / 57.6kWh



Technical Parameters



MODEL

S2400-ZA

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)
Battery Depth of Discharge (DOD)	90%
Rated Energy	2400Wh

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)

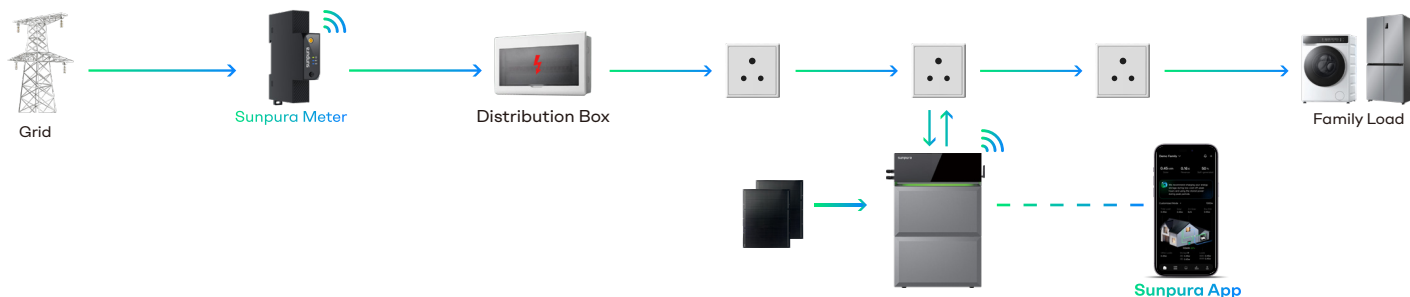
Rated AC Output Power	800W
Rated AC Output Current	3.5A
Max AC Output Power	2400W
Max AC Output Current	10.9A
AC Nominal Output Voltage	L + N + PE, 220VAC / 230VAC, 50Hz

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	IP44
Net Weight	A2400-ZA (Power Box) : 14.3kg B2400-ZA (Battery Box) : 26.5kg
Dimensions (WxHxD)	450x430x285mm (Height: A2400-ZA: 170mm / B2400-ZA: 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, IP44, WEEE, VDE4105, EN50549, CEI 0-21, VDE0126, OVE R25, C10/11



*Sunpura reserves the right to final interpretation. _202609_V2_EN



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