

# 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

**6000**

Cycles

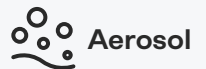


sunpura HOME <sup>AI+</sup>

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

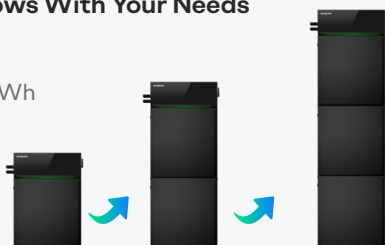


Reliable and Safe Guarding



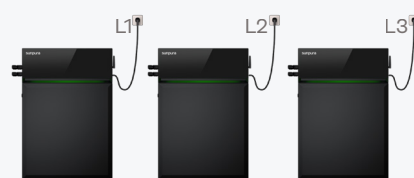
Power Grows With Your Needs

**4.8kWh**  
Up to 14.4 kWh



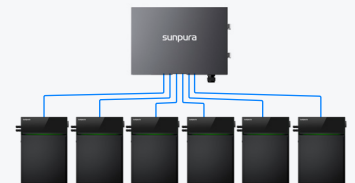
Parallel Expansion

Max - 7.2kW / 43.2kWh

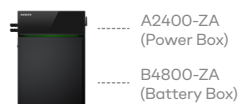


Parallel Box Expansion

Max - 14.4kW / 86.4kWh



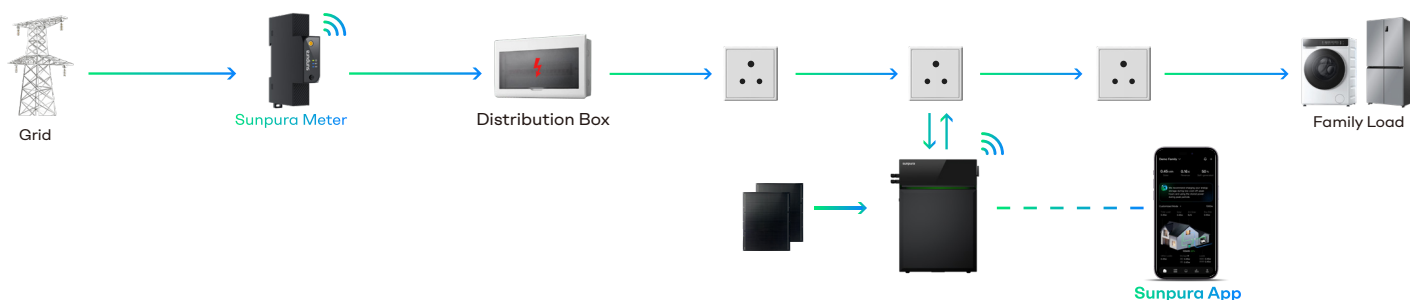
# Technical Parameters



## MODEL

S4800-ZA

|                                                                    |                                                                                                                                            |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                             | 6000 cycles 70%SOH (0.5C)                                                                                                                  |
| Battery Depth of Discharge (DOD)                                   | 90%                                                                                                                                        |
| Rated Energy                                                       | 4800Wh                                                                                                                                     |
| <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                                                 | IP44                                                                                                                                       |
| Net Weight                                                         | A2400-ZA (Power Box): 14.3kg<br>B4800-ZA (Battery Box): 47.85kg                                                                            |
| Dimensions (WxHxD)                                                 | 450x645x285mm<br>(Height: A2400-ZA: 170mm / B4800-ZA: 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, 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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