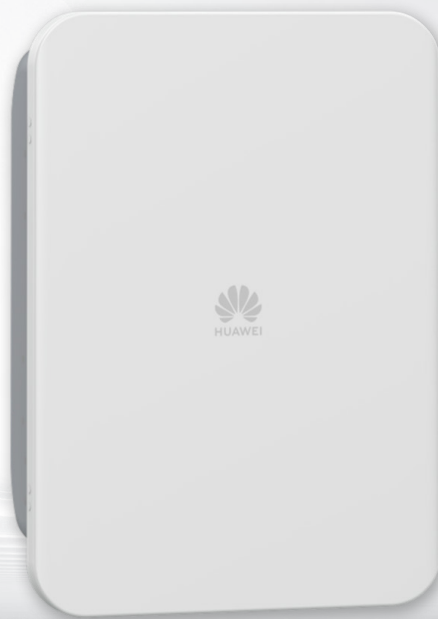


SMARTGUARD

SmartGuard-63A-S0



Simple

Whole home backup,
no need of additional
switchboard



Seamless

≤20ms Ultra-fast switchover to
power backup mode



Reliable

Provide bypass mode
when a fault occurs



Intelligent

Intelligent load control with
built-in EMMA

SmartGuard-63A-S0

Technical Specifications

| Technical Specification | SmartGuard-63A-S0 |
|---|--|
| General Data | |
| Dimensions (W x H x D) | 485 mm × 150 mm × 355 mm |
| Weight | ≤14 kg |
| Performance | |
| AC Voltage (Nominal) | 220/230/240V L/N+PE |
| Max. current (from Grid) | 63 A |
| Max. current (from Inverter) | 60 A |
| Max. current (to Backup Load) | 63 A |
| Max. current (to Non-BackupLoad) ¹ | 63 A |
| Self consumption | 10 W |
| Low-Voltage ride-through | Supported |
| Switchover time | ≤ 20ms (in Seamless Mode) |
| Bypass operation mode | Manual |
| Interface | |
| Power output | 9.5 ~ 13.2V @ 100mA, ≤ 3m |
| LAN | 10 / 100Mbps, ≤ 100m |
| WAN | 10 / 100Mbps, ≤ 100m |
| WLAN | AP Mode, 802.11b/g/n (2.412GHz ~ 2.484GHz) |
| RS485 | 9600 / 19200 / 115200bps, × 2, ≤ 50m |
| Digital input | ×2, ≤ 20m |
| Digital output | ×2, ≤ 20m |
| Measurement Range | |
| Current range | ≤ 63 A |
| Voltage range | 1P (L-N): 85 ~ 299 Vac |
| Energy accuracy | ± 1% |
| Device Management | |
| Smart energy controllers | up to 1 |
| Smart chargers | up to 2 |
| Heat pump | up to 1 ² |
| Shelly device | up to 20 |
| Environment | |
| Noise emission | ≤ 29dBA |
| Cooling | Natural Convection |
| Relative humidity range | 5%-95% RH (non condensing) |
| Max. operating altitude | 4000m (derating over 2000m) |
| Degree of protection | IP55 |
| Operating temperature range | -25°C~50°C ³ |
| Compatible Device | |
| Smart energy controller | SUN2000-2-6KTL-L1 / SUN2000-8-10K-LC0 |
| Smart charger | SCharger-7KS-S0 |
| Heat pump | SG-ready |
| Shelly device | Shelly Plus Plug S, Shelly Plus 2PM, Shelly Pro 2PM ⁴ |

¹ The sum of the output current of the backup port and the non-backup port could not be more than 63A

² 1 SG-ready Heat Pump can be connected directly. Others can be connected via shelly devices.

³ On-grid Mode: 25~30 °C, no derating; 30~40 °C, linear derating from 63A to 50A; 40~50 °C, linear derating from 50A to 40A
Off-grid Mode: 25~40 °C, no derating; 40~50 °C, linear derating from 54.5A to 50A

⁴ The supported firmware version of shelly devices can be found in user manual

Disclaimer: the preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors.