HUAWEI

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

Version No.: 07-202402

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.