HUAWEI

SMARTGUARD

Model：SmartGuard-63A-T0/AUT0

Simple
Three-phase whole home backup supported

Seamless
≤20ms Ultra-fast switchover to power backup mode

Reliable
Provide bypass mode when a fault occurs

Intelligent
Ready for DG, intelligent loads management with EMMA

Version No.: 01-202411

SmartGuard-63A-T0/AUT0

Technical Specifications

Technical Specification	SmartGuard-63A-T0	SmartGuard-63A-AUT0
General Data		
Dimensions (W x H x D)	600 mm × 170 mm × 490 mm	
Weight (not including mounting plate)	17 kg	
Performance		
AC Voltage (Nominal)	380/400/415V, 220/230/240V, L1/L2/L3/N+PE	
Max. current (from/to Grid)	63 A	
Max. current (from/to Inverter)	60 A	
Max. current (to Backup Load)	63 A	
Max. current(to Non-BackupLoad) [1]	63 A	
Low-Voltage ride-through	Supported	
Switchover time	≤ 20ms (MAP0), ≤ 100ms (M1/MB0) [2]	
Bypass operation mode	Manual	
DG mode	Remote control	
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; Avtive port [3]	
Digital output	×2, ≤ 20m	
DG Do Port	Passive Port, 1-100mA ≤24V	
ATS	Need prepare the ATS, which supports automatic control and automatic switch-in and reset.	
Measurement Range		
Current range	≤ 63 A	
Energy accuracy	± 1%	
Device Management		
Smart energy controllers	up to 3	
Smart chargers	up to 2	
Heat pump	up to 1[4]	
Shelly device	up to 20	
Environment		
Cooling	Natural Convection	
Relative humidity range	5%-95% RH (non condensing)	
Max. operating altitude	4000m (derated over 2000m)	
Degree of protection	IP55	
Operating temperature range	-25°C–50°C [5]	
Compatible Device		
Smart energy controller	SMax. 3 inverters supported in parallel connection (MAP0) Max. 1 inverter supported (M1/MB0)	
Smart charger	SCharger–7KS/22KT–S0	
Heat pump	SG-ready	
Shelly device	Shelly Plus Plug S, Shelly Plus 2PM, Shelly Pro 2PM [6]	

*1 The sum of the output current of the backup port and the non backup port could not be more than 63A
*2 Seamless switching is disabled by default and needs to be manually enabled.
*3 The position feedback signal must be a passive port that works with an external circuit and can work at a current of less than or equal to 0.7 mA@12 V. The low impedance of the circuit for the position feedback signal is less than or equal to 100 ohms.
*4 1 SG ready Heat Pump can be connected directly. Others can be connected via shelly devices.
*5 On grid Mode: 25–30°C, no derating; 30–50°C, linear derating from 63A to 43A;
Off grid Mode: 25–40°C, no derating; 40–50°C, linear derating from 60A to 50A
*6 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.