

SMARTGUARD

Model: SmartGuard-63A-T0/AUT0





SimpleThree-phase whole home backup supported



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



ReliableProvide bypass mode when a fault occurs



IntelligentReady for DG, intelligent loads
management with EMMA

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	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		

 $^{^{\}star}1$ The sum of the output current of the backup port and the non backup port could not be more than 63A

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.

^{*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.