Smart Box S1-100

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Intelligent Switch Box for
Single-phase Hybrid Inverter



- 100A/23kW whole house backup capability
- Built-in ATS (Automatic Transfer Switch)
- Built-in Type 2 SPD
- Off-grid switch time < 70mS
- Integrated breaker, easy to install
- Built-in RS-485 Meter for precise monitoring and intelligent control
- Multi-specification circuit breakers Integration for flexible load compatibility
- Compatible with A series single-phase All-in-one system

A better world
powered by you

Technical Specification

Model	Smart Box S1-100
GRID (Input From Grid)	
Max. Continuous Input Current(A)	100
AC Input Voltage(Nominal)	220/230/240/L/N/PE
AC Input Voltage Range(V)	195-253
AC Frequency(Nominal)(Hz)	50/60
INV GRID1 (Output to INV)	
Max. Continuous Input Current(A)	80
AC Input Voltage(Nominal)	220/230/240/L/N/PE
AC Input Voltage Range(V)	195-253
AC Frequency(Nominal)(Hz)	50/60
INV GRID2 (Output to INV)	
Max. Continuous Input Current(A)	40
AC Input Voltage(Nominal)	220/230/240/L/N/PE
AC Input Voltage Range(V)	195-253
AC Frequency(Nominal)(Hz)	50/60
EPS (Input From Inverter)	
Max. Continuous Input Curren(A)	80/40
AC Input Voltage(Nominal)	220/230/240/L/N/PE
AC Input Voltage Range(V)	195-253
AC Frequency(Nominal)(Hz)	50/60
LOAD (Output to Load)	
Max. Continuous Output Current(A)	100
AC Output Voltage(Nominal)	220/230/240/L/N/PE
AC Output Voltage Range(V)	195-253
AC Frequency(Nominal)(Hz)	50/60
COMMUNICATION INTERFACE	
RS-485	Meter
Additional Features	
Operating Temperature Range(℃)	-25~60
Protection Rating	IP65
Operating Humidity(RH)	Up to 100%
Maximum Elevation(m)	3000
Mounting options	Wall mounted
Weight(kg)	≈15
Dimensions(H/W/D)(mm)	557.8/396/146.8
Manual Control Bypass Switch	Manual Control Bypass Switch
Grid Disconnection Switch Time(ms)	< 500
Grid recovery Switch Time(ms)	< 310
Surge Class	TYPE II(DC) TYPE II(AC)

*Grid Connection Switch time: The 500ms switching time is applicable only for pure resistive loads.