

SmartLogger3000A



Smart

Smart zero export control design



Simple

Easy to install on site



Reliable

Safety by lightning protection module

Technical Specification	SmartLogger3000A00/01/03
Communication Interface	
WAN	WAN x 1, 10 / 100 / 1000 Mbps
LAN	LAN x 1, 10 / 100 / 1000 Mbps
RS485	COM x 3, 1200 / 2400 / 4800 / 9600 / 19200 / 115200 bps, 1000 m
MBUS	SmartLogger3000A00/01 not support; SmartLogger3000A03 supports
2G / 3G / 4G ¹	SmartLogger3000A00 not supports; SmartLogger3000A01/03 support
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
Active DO	12V, 100mA (connection with relay, sensor)
Software functions	
Max. Number of Connected Devices	80
Scenario	Support PV/ESS on-grid operation
Active power control	Closed loop feed-in power control within 2s; Maximum active power control within 5s ²
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Interaction	
WEB	Embedded Web
USB	USB 2.0 x 1
APP	Communication by WLAN for Commissioning
Environment	
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity (Non-condensing)	5% ~ 95%
Max. Operating Altitude	4,000 m (13,123 ft.)
Electrical	
AC Power Supply	100 V ~ 240 V, 50 Hz / 60 Hz
DC Power Supply	12 V / 24 V
Power Consumption	Typical 8 W, Max. 15 W
Mechanical	
Dimensions (W x H x D)	225 x 160 x 44 mm (8.9 x 6.3 x 1.7 inch, without mounting ears and antenna)
Weight	2 kg (4.4 lb.)
Protection Degree	IP20
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting

*1: When putting inside metal box, extended antenna will be needed.

*2: If the capacity or demand at the grid connection point exceeds the threshold, it takes 5s for the SmartLogger to control the capacity or demand within the threshold. Ensure that the switch protection settings are appropriate.

SmartLogger3000B



Smart

Smart zero export control design



Simple

Easy to install on site



Reliable

Safety by lightning protection module

Technical Specification	SmartLogger3000B02/03
Communication Interface	
WAN	WAN x 1, 10 / 100 / 1000 Mbps
LAN	LAN x 1, 10 / 100 / 1000 Mbps
RS485	COM x 3, 1200 / 2400 / 4800 / 9600 / 19200 / 115200 bps, 1000 m
Fiber	SFP x 2, 100 / 1,000 Mbps
MBUS	Max. AC 800 V(±10%), 1000m
2G / 3G / 4G ¹	SmartLogger3000B02 not supports; SmartLogger3000B03 supports
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
Active DO	12V, 100mA (connection with relay, sensor)
Software functions	
Max. Number of Manageable Devices	200
Scenario	Support PV/ESS on-grid operation
Active power control	Closed loop feed-in power control within 2s; Maximum active power control within 5s ²
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Interaction	
WEB	Embedded Web
USB	USB 2.0 x 1
APP	Communication by WLAN for Commissioning
Environment	
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity (Non-condensing)	5% ~ 95%
Max. Operating Altitude	4,000 m (13,123 ft.)
Electrical	
AC Power Supply	100 V ~ 240 V, 50 Hz / 60 Hz; DC output: 12V, 2A
DC Power Supply	24 V, 0.8A
Power Consumption	Typical 9 W, Max. 15 W
Mechanical	
Dimensions (W x H x D)	225 x 160 x 44 mm (8.9 x 6.3 x 1.7 inch, without mounting ears and antenna)
Weight	2 kg (4.4 lb.)
Protection Degree	IP20
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting Integrated inside SmartACU2000D

*1: When putting inside metal box, extended antenna will be needed.

*2: If the capacity or demand at the grid connection point exceeds the threshold, it takes 5s for the SmartLogger to control the capacity or demand within the threshold. Ensure that the switch protection settings are appropriate.

SmartLogger3000C



Smart

Smart zero export control design



Simple

Easy to install on site



Microgrid control

On/off-grid auto switching



Reliable

Safety by lightning protection module

Technical Specification	SmartLogger3000C01
Communication Interface	
WAN	WAN x 1, 10 / 100 / 1000 Mbps
LAN	LAN x 1, 10 / 100 / 1000 Mbps
RS485	COM x 3, 1200 / 2400 / 4800 / 9600 / 19200 / 115200 bps, 1000 m
MBUS	No MBUS
2G / 3G / 4G ¹	Support
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
Active DO	12V, 100mA (connection with relay, sensor)
Software functions	
Max. Number of Connected Devices	80
Scenario	Support on-grid and off-grid scenario; support on/off-grid switching operation
Active power control	Closed loop feed-in power control within 2s; Maximum active power control within 5s ²
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Interaction	
LED	LED Indicator x 3 – RUN, ALM, 4G
WEB	Embedded Web
USB	USB 2.0 x 1
APP	Communication by WLAN for Commissioning
Environment	
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity (Non-condensing)	5% ~ 95%
Max. Operating Altitude	4,000 m (13,123 ft.)
Electrical	
AC Power Supply	100 V ~ 240 V, 50 Hz / 60 Hz
DC Power Supply	12 V / 24 V
Power Consumption	Typical 8 W, Max. 15 W
Mechanical	
Dimensions (W x H x D)	225 x 160 x 44 mm (8.9 x 6.3 x 1.7 inch, without mounting ears and antenna)
Weight	2 kg (4.4 lb.)
Protection Degree	IP20
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting

*1: When putting inside metal box, extended antenna will be needed.

*2: If the capacity or demand at the grid connection point exceeds the threshold, it takes 5s for the SmartLogger to control the capacity or demand within the threshold. Ensure that the switch protection settings are appropriate.