



With Anti-PID



Without Anti-PID

SmartACU2000B (Smart Array Controller Unit)

is a powerful integration of PV array communication and other smart functions. What's more, it supports 1000V / 1100V / 1500V DC system perfectly.

Smart

- SmartLogger2000 built-in
- Smart Anti-PID2000 module built-in (optional)
- Multiple communication interfaces including PLC, RS485, Fast Ethernet, and SFP ports, flexible applications

Simple

- Integrated communication unit with multiple functions built-in
- Easy installation with SmartLogger2000 & Smart Anti-PID2000 module pre-assembled inside the cabinet

Reliable

- Industrial application and carrier-class reliability

Specifications	SmartACU2000B With Anti-PID	SmartACU2000B Without Anti-PID
	Configuration	
SmartLogger	SmartLogger2000	
RS485	Integrated	
PLC	Integrated	
Smart Anti-PID2000 Module	Integrated	/
	Environment	
Operating Temperature	-40°C ~ +60°C (-40 °F ~ +140 °F)	
Relative Humidity	5% ~ 95%	
Max. Operating Altitude	4,000m (13,123 ft.)	
	General	
Input AC Voltage for Cabinet	100V ~ 240V, L/N+ PE	
Input AC Voltage for PID	380V/400V/480V/500V/600V/800V, 3Ph+FE (Functional Earth)	
Input AC Voltage for PLC	380V/400V/480V/500V/600V/800V, 3Ph	
Input AC Frequency	50/60 Hz	
Cable Entries	Bottom in & out	
Maintenance	Front	
Dimensions (W/H/D)	880mm × 770mm × 369mm (2.89 × 2.52 × 1.21 ft.)	640mm × 770mm × 315mm (2.09 × 2.52 × 1.03 ft.)
Weight	32kg (70.55lb) /47kg (103.62lb) /59kg (130.07lb) ^[1]	
Protection Rating	IP65 ^[2]	
Installation Options	Wall Mounting, Rack Mounting, Pole Mounting	

[1] The weight is the cabinet weight in standard configuration of cabinet mechanical parts, preinstalled components and cables, excluding the brackets.
 [2] Electronic equipment like SmartLogger, PLC CCO, etc. are installed in the right cabinet (IP65). Smart Anti-PID2000 module(s) with the protection rating of IP65 is/are installed in the left additional protective case.



Smart

- Functioning as communication manager, data logger, PLC master and Ethernet switch
- Multiple communication interfaces including PLC, RS485, Fast Ethernet, and SFP ports, flexible applications
- Up to 200 devices supported, including up to 150 Smart Inverters
- STP and RSTP supported for multi-ring Ethernet network and ring protection
- Bluetooth, embedded WEB and USB supported, user-friendly
- Smart String I-V Diagnosis supported
- Fast and reliable active and reactive power compensation control

Simple

- An integration of data collection, protocol conversion and Ethernet switch

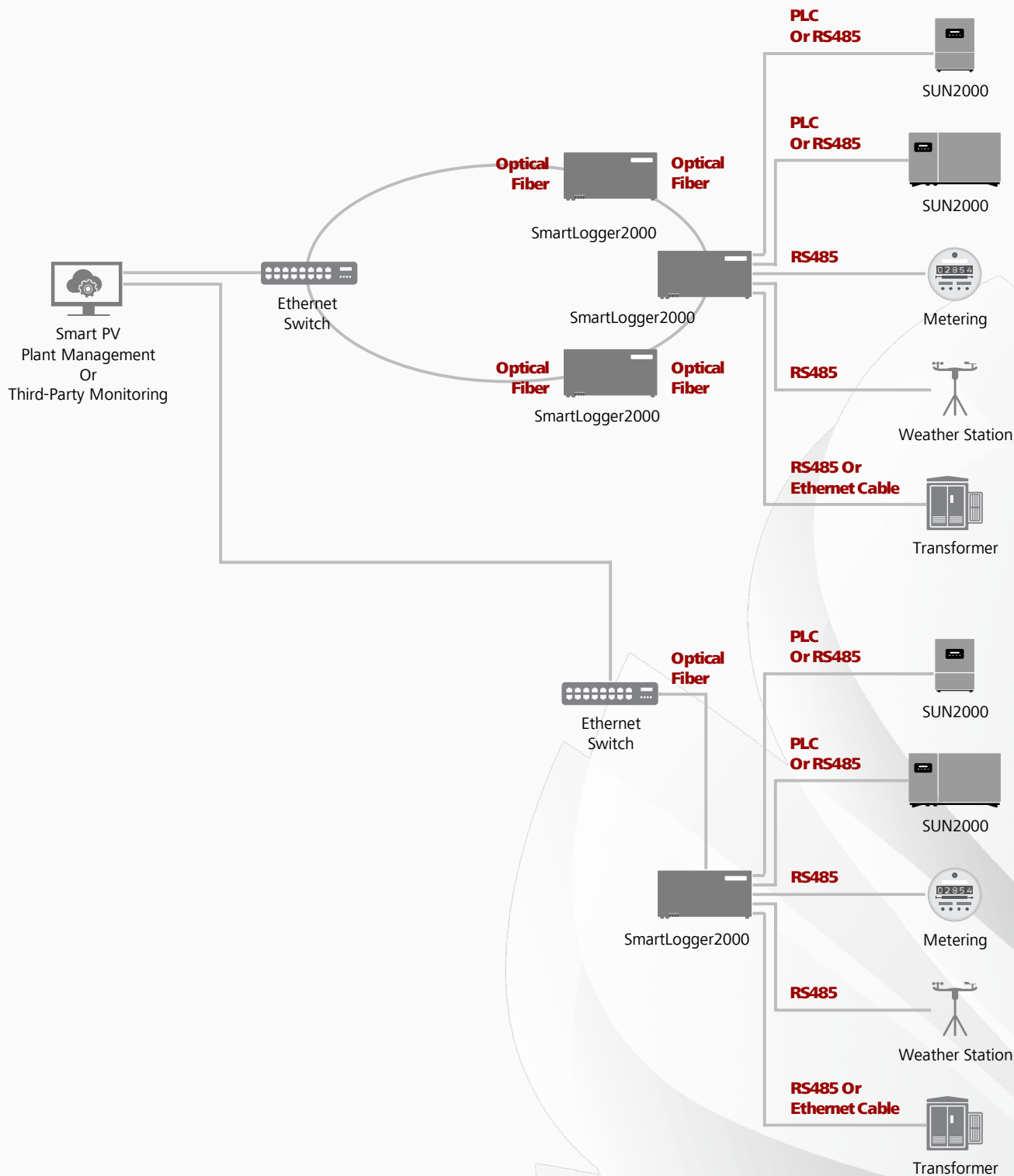
Reliable

- Industrial application and carrier-class reliability

Technical Specifications	SmartLogger2000
	Device Management
Max. Number of Manageable Devices	200
Max. Number of Manageable Smart Inverters	150
	Communication Interface
Electrical Ethernet	ETH × 2, 10 / 100 Mbps
Optical Ethernet (optional)	SFP × 2, 100 Mbps
RS485	COM × 6, 4800 / 9600 / 19200 bps
PLC	PLC × 1, 115.2 kbps
Digital / Analog Input / Output	DI × 8, DO × 3, AI × 7, AO × 4, PT100/1000*2
	Communication Protocol
Ethernet	ModBus-TCP, IEC 60870-5-104
RS485	MODBUS-RTU, IEC 60870-5-101/103
	Interaction
LED	LED Indicator × 4
WEB	Embedded WEB
Bluetooth	SUN2000 App
USB	USB2.0 × 1
	Environment
Operating Temperature	-40°C ~ +60°C (-40 °F ~ +140 °F)
Storage Temperature	-40°C ~ +85°C (-40 °F ~ +185 °F)
Relative Humidity (Non-Condensing)	5% ~ 95%
Operating Altitude	0 ~ 4,000m (0 ~ 13,123 ft.)
	Electrical
Power Supply	100 Vac ~ 240 Vac , 50Hz / 60Hz
Power Consumption	Min. 8W, Max. 15W
	Mechanical
Dimensions (W/H/D)	350mm × 170mm × 44mm (13.8 × 6.7 × 1.7 inches)
Weight	3.8 kg (8.4 lb.)
Protection Rating	IP20
Installation Options	Wall-Mounted, Rail-Mounted, Integrated Inside Huawei Smart Array Controller (SACU)

Network Applications

I Multi-Ring Ethernet Network + PLC or RS485



II Star Ethernet Network + PLC or RS485