

SmartACU2000 Series



SmartACU2000 (Smart Array Controller Unit) is a powerful integration of PV array communication and other smart functions.

Smart

- SmartLogger2000 built-in
- Anti-PID 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 & anti-PID module pre-assembled inside the cabinet

Reliable

- Industrial application and carrier-class reliability

Specifications	SmartACU2000
	Configuration
SmartLogger	SmartLogger2000
PLC	Optional
Anti-PID	Yes
	Environment
Operating Temperature	-40°C ~ +60°C (-40 °F ~ +140 °F)
Relative Humidity (Non-Condensing)	5% ~ 95%
Max. Operating Altitude	4,000m (13,123 ft.)
	Mechanical
Max. Input AC Power	250 W
Input AC Voltage for Cabinet	380V ~ 400V, 480V ~ 500V, 3W + PE
Input AC Voltage for PLC	380V ~ 400V, 480V ~ 500V
Input AC Frequency	50/60 Hz
Cabling	Bottom in & out
Maintenance	Front & Back
Dimensions (W/H/D)	600mm × 1,100mm × 600mm (2 × 3.6 × 2 ft.)
Weight	80 kg (176.4 lb.) ^[1]
Protection Rating	IP65
Installation Option	Ground-Mounted, Wall-Mounted, Rack-Mounted

[1] The weight is the cabinet weight in standard configuration of cabinet mechanical parts, preinstalled components and cables, excluding the brackets of 12kg. Normally, the weight of SACU2000 is less than or equal to 90 kg.

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Anti-PID Module Inside SmartACU2000



Anti-PID Module



The **Anti-PID Module** is installed in the SmartACU2000 cabinet to reduce the negative effect of the Potential Induced Degradation (PID).

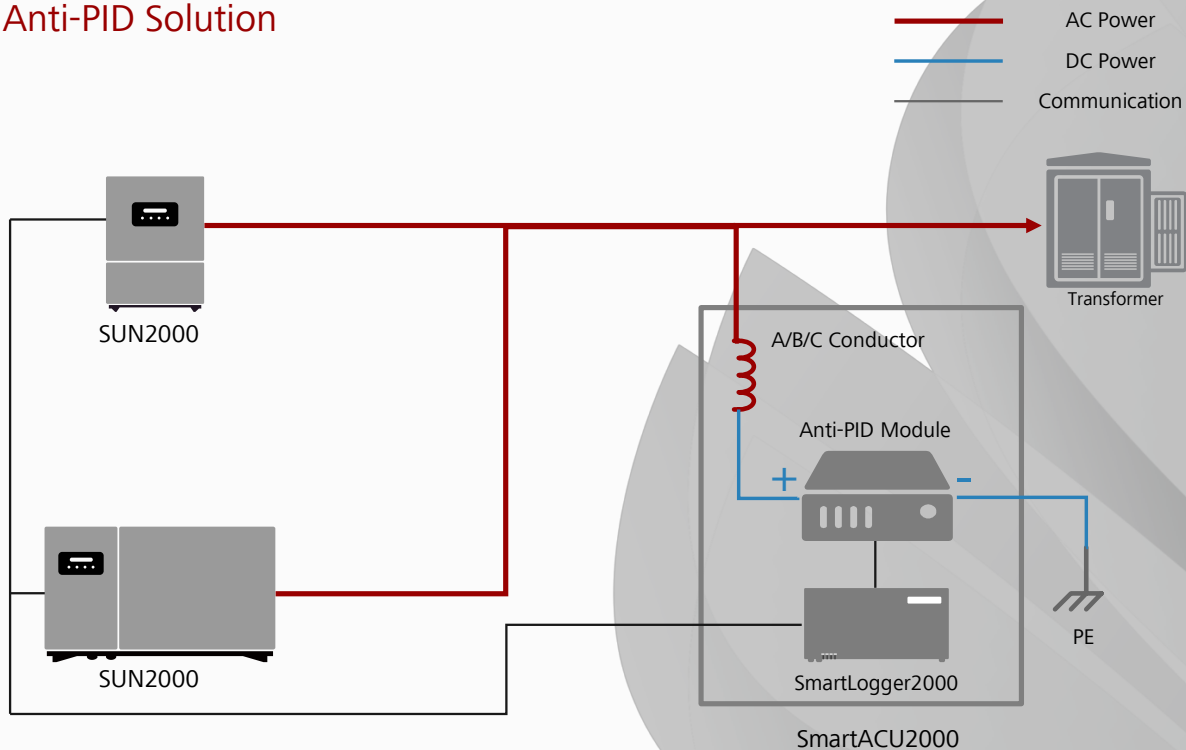
Smart

- Automatically switches between midpoint feed and PV compensation modes according to inverters status

Safe

- Guarantee human safety by highly accurate Residual Current Detection (RCD) protection

Anti-PID Solution



Note:

1. The Anti-PID solution could ONLY be deployed in utility installations which are normally connected to the medium voltage (MV) grid running WITHOUT neutral line.
2. The Anti-PID module must work with Huawei SmartLoggers and Huawei inverters.

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