

# SmartACU2000B

## Smart Array Controller



With SmartPID2000 Module



Without SmartPID2000 Module



**Smart**

All inverters acting as one unit;  
Active and reactive power control



**Simple**

One unit managing one array;  
Available for up to 150 inverters connection



**Reliable**

Performance and energy yield recollection;  
Preventing power loss caused by PID effect

Technical Specifications	SmartACU2000B-D-PLC	SmartACU2000B-D-2PLC	SmartACU2000B-D-PID/PLC	SmartACU2000B-D-2PID/2PLC
<b>Configuration</b>				
Number of MBUS Module <sup>1</sup>	1	2	1	2
Number of SmartPID2000 Module	0	0	1	2
<b>Device Management</b>				
Max. Number of Manageable Devices	200			
Max. Number of Manageable Inverters	150			
<b>Communication Interface</b>				
Electrical Ethernet	ETH x 2, 10 / 100 Mbps			
Optical Ethernet (optional)	SFP x 2, 100 Mbps			
RS485	COM x 6, 2,400 / 4,800 / 9,600 / 19,200 / 115,200 bps			
MBUS	MBUS x 1, 115.2 kbps, Compatible with PLC			
Digital / Analog Input / Output	DI x 8, DO x 3, AI x 7, AO x 4, PT100 / PT1000 x 2			
<b>Communication Protocol</b>				
Ethernet	Modbus-TCP, IEC 60870-5-104			
RS485	Modbus-RTU, IEC 60870-5-103 (standard)			
<b>Environment</b>				
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)			
Relative Humidity	4% ~ 100%			
Max. Operating Altitude	4,000 m (13,123 ft.)			
<b>Electrical</b>				
Input AC Voltage for Cabinet	100 V ~ 240 V, L / N (L) + PE			
Input AC Voltage for MBUS	380 V ~ 800 V, 3Ph			
Input AC Voltage for PID	380 V ~ 800 V, 3Ph + FE (Functional Earth)			
Input AC Frequency	50 / 60 Hz			
<b>Mechanical</b>				
Cable Entries	Bottom in & out			
Maintenance	Front			
Dimensions (W x H x D)	640 x 770 x 315 mm (25.2 x 30.3 x 12.4 inch)		880 x 770 x 369 mm (34.6 x 30.3 x 14.5 inch)	
Weight	29 kg (63.9 lb.)	32 kg (70.5 lb.)	49 kg (108.0 lb.)	61 kg (134.5 lb.)
Protection Degree	IP65			
Installation Options	Wall Mounting, Rack Mounting, Pole Mounting			

1 - Compatible with communication mode of PLC (Power Line Communication).