

SmartACU2000B

Smart Array Controller



With SmartPID2000 Module



Without SmartPID2000 Module



Smart

Multiple communication interfaces including MBUS, RS485, Fast Ethernet, and SFP ports, flexible applications



Simple

Easy commissioning, SmartLogger2000 & SmartPID2000 module pre-assembled inside the cabinet



Reliable

Industrial-level application and high reliability

| Technical Specifications | SmartACU2000B-D-PLC | SmartACU2000B-D-2PLC | SmartACU2000B-D-PID/PLC | SmartACU2000B-D-2PID/2PLC |
|-------------------------------------|---|----------------------|--|---------------------------|
| Configuration | | | | |
| Number of MBUS Module ¹ | 1 | 2 | 1 | 2 |
| Number of SmartPID2000 Module | 0 | 0 | 1 | 2 |
| Device Management | | | | |
| Max. Number of Manageable Devices | 200 | | | |
| Max. Number of Manageable Inverters | 150 | | | |
| Communication Interface | | | | |
| 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 | | | |
| Communication Protocol | | | | |
| Ethernet | Modbus-TCP, IEC 60870-5-104 | | | |
| RS485 | Modbus-RTU, IEC 60870-5-103 (standard) | | | |
| Environment | | | | |
| Operating Temperature Range | -40°C ~ 60°C (-40°F ~ 140°F) | | | |
| Relative Humidity | 4% ~ 100% | | | |
| Max. Operating Altitude | 4,000 m (13,123 ft.) | | | |
| Electrical | | | | |
| 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 | | | |
| Mechanical | | | | |
| 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).