



Array Controller for String ESS

WP-AC3000-E1

Product Description

WP-AC3000-E1 is an advanced array controller designed to streamline monitoring and control of solar and battery storage energy systems. It integrates communication, data logging, and system optimization functions into a single unit. Built for reliability and ease of deployment, it enhances operational visibility, simplifies commissioning, and ensures efficient performance across large-scale solar installations.

Product Features



Simple

Datalogger & anti-PID module pre-installed with multiple interfaces



Fast

One-click commissioning and system status monitoring



Reliable

Industrial-level application and high reliability

Technical Specification

General	
Data Logger	Included
Extension Module	Included
RS485	COM x 6, 1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 115,200 bps
Number of MBUS modules ¹	2
Number of anti-PID modules	2
Switch with 4*SFP and 8*100 / 1,000 Mbps	1 or 2 (depending on configuration)
Electrical	
AC Input Voltage for Cabinet	100 V~240 V, L / N (L) + PE
AC Input Voltage for MBUS	380 V ~ 800 V, 3Ph
AC Input Voltage for PID	380 V ~ 800 V, 3Ph + FE (Functional Earth)
AC Input Frequency	50 Hz / 60 Hz
Power Supply	Standard: 12 V DC

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Environment

Operating Temperature Range	- 40°C ~ 60°C
Relative Humidity	0% ~ 100% (Non-condensing)
Max. Operating Altitude	4,000 m

Mechanical

Dimensions (W x H x D)	880mm×770mm×369mm
Weight	66 kg
Protection Degree	IP65
Installation Options	Wall Mounting, Rack Mounting, Pole Mounting
Cable Entries	Bottom in & out
Maintenance	Front

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

