

# Ai-AMU 2000

The Ai-AMU 2000 photovoltaic array management unit from Solplanet is a highly integrated and intelligent all-in-one communication cabinet specifically developed for utility scenarios. It can achieve real-time monitoring of PV plant data, prevent the PID effects of PV modules, and adapt to an optical fiber ring network. Serving as a key connection node between the photovoltaic array system and the power plant monitoring system, it intelligently manages the photovoltaic array, helping users enhance the management and operational efficiency of photovoltaic power plants.



## More flexible and smarter

- Support connection of up to 180 inverters, with one-stop calibration and deployment

## Simpler and easier to use

- Provide embedded web services for quick setup and convenient parameter settings

## More stable and reliable

- Industrial-grade component selection with built-in high-performance surge protectors ensuring safety and reliability

## Technical Datasheet

## Ai-AMU 2000

Basic Parameter	Build-in data collector	Ai-Logger 2000
	Ethernet	2xWAN, 4xLAN
	RS485	6xRS485
	DI / DO / AI	4xDI / 4xDO / 4xAI
	PT100 / PT1000	2
	Fiber	2xSFP
	USB	1
	ABUS port	2
	Anti-PID module	2
Environmental Parameter	Operating temperature	-30°C ~ 60°C
	Relative humidity	0~100%, non-condensing
	Altitude	Max. 5000 m
Electrical Parameter	AC input voltage	100 V ~ 240 V, L / N (L)+PE
	ABUS input voltage	380 V ~ 800 V, 3Ph
	Anti-PID input voltage	380 V ~ 800 V, 3Ph+FE
	Anti-PID output voltage	0 / ±750 V
	AC input frequency	50Hz / 60Hz
Consumption	Self consumption	Max. 380 W
Mechanical Parameter	Dimensions ( W / H / D )	670 / 760 / 200mm (Without installation accessories)
	Weight	30.0 kg
	Ingress protection	IP66
	Mounting type	Wall mounted, rack mounted, ground mounted

\* Each 485 interface can connect up to 30 inverters or 1 environmental monitoring instrument or 1 electricity meter.