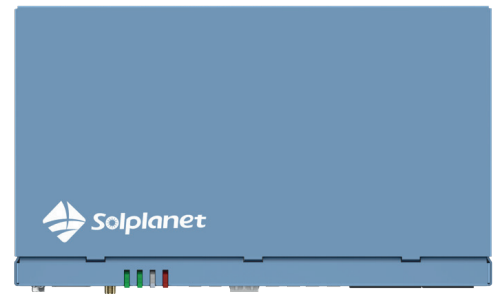


Ai-Logger 2000



Ai-Logger 2000 high-performance data logger by Solplanet, is used for monitoring inverters, transformer stations, as well as third-party electricity meters and environmental monitoring instruments, etc. By managing inverters, collecting data and adjusting the operating status. It serves as a key connection node between inverters and photovoltaic power plant monitoring systems, enabling real-time monitoring and management scheduling of photovoltaic plant data, effectively enhancing the efficiency of power plant management and maintenance.

Safer

- Source data desensitization and encrypted communication links

Smarter

- Multi-scenario system control

More efficient

- Real-time response and rapid operations maintenance, effectively ensuring the safe operation of power stations

More reliable

- Adaptable to extreme application environments with long operational uptime

Technical Datasheet

Ai-Logger 2000

Device Management	Max. number of devices access to RS485	180
	Max. number of devices access to each port	RS485: 30; ABUS: 80; LAN / FE: 32
Northbound Interface	WAN	2xWAN
	Optical fiber	2xSFP
Southbound Interface	LAN	4xLAN
	Serial port	6 x RS485
	AI port	4xAI
	DI port	4xDI
	DO port	4xDO
	PT100 / PT1000	2xPT100 / PT1000
	ABUS	Max. voltage 800 V(±10%)
Power	DC power input	24V / 0.8A DC, 12V / 2A DC
	Consumption	Typical 8 W; MAX. 15 W
	DC power output	12 V / 100mA
Human Machine Interface (HMI)	Indicator	3xLED; RUN, SERV, ALM
	Commissioning	Embedded Web
	USB	1xUSB 2.0
Environmental Parameters	Operating temperature	-30°C ~ 60°C
	Storage temperature	-40°C ~ 70°C
	Relative humidity	5% ~ 95%, non-condensing
	Altitude	Max. 5000 m
Mechanical Parameters	Dimensions (W / H / D)	242 / 142 / 51.5 mm(without installation accessories)
	Weight	1.4 kg
	Ingress protection	IP20
	Mounting	Wall mounted, rail mounted, desktop mounted

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

* For reference only. Please refer to the official release for final content.

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.