Huawei SmartLogger3000A

The Huawei SmartLogger3000A is a plant-level data logger and controller supporting up to 80 inverters. Features WAN/LAN ports, RS485 communication, 4G networking (optional), and FusionSolar cloud integration for commercial and utility PV plants.

Models Covered: SmartLogger3000A00, SmartLogger3000A01, SmartLogger3000A02, SmartLogger3000A03

Manufacturer: Huawei Digital Power Technologies Co., Ltd.

Application: Ideal for United Arab Emirates's climate with wide operating temperature range and dust-resistant design.

ACCESSORY | SMARTLOGGER | UP TO 80 INVERTERS | WAN/LAN (10/100/1000 MBPS) | 3X RS485 COM PORTS | 4G/3G/2G NETWORKING (OPTIONAL) | FUSIONSOLAR CLOUD INTEGRATION

Technical Specifications

Parameter	SmartLogger3000A00	SmartLogger3000A01	SmartLogger3000A02	SmartLogger3000A03
Communication				
Max Inverters Supported	80			
WAN Port	10/100/1000 Mbps			
LAN Port	10/100/1000 Mbps			
RS485 COM Ports	3			
USB Port	USB 2.0			
Wireless	WLAN (commissioning), 4G/3G/2G (optional)			
I/O Interfaces				
Digital Inputs (DI)	4			
Digital Outputs (DO)	2			
Analog Inputs (AI)	4			
General Data				
Operating Temperature	-40 °C ~ +60 °C			
Humidity	5%-95% RH (Non-Condensing)			

Note: Specifications are based on the official Huawei datasheet. Values may be subject to change; always verify against the latest manufacturer documentation.

Key Features

Up to 80 Inverters	WAN/LAN (10/100/1000 Mbps)	3x RS485 COM Ports
4G/3G/2G Networking (Optional)	FusionSolar Cloud Integration	DI/DO/AI Interfaces

Applications & Use Cases

Typical Applications

- Residential solar systems
- Commercial installations
- Industrial solar plants
- Utility-scale projects
- Smart grid integration

Frequently Asked Questions

▼ **What is the difference between A00, A01, A02, A03?**

A00: No 4G, no MBUS. A01: 4G networking, no MBUS. A02: MBUS communication, no 4G. A03: Both 4G networking and MBUS communication.

▶ **What is the warranty coverage for the Huawei SmartLogger3000A?**

▶ **What certifications does the Huawei SmartLogger3000A have?**

▶ **What model variants are available in the SmartLogger3000A series?**

▶ **What are the installation requirements for the Huawei SmartLogger3000A?**

▶ **How does the Huawei SmartLogger3000A perform in hot climates?**

▶ **What are the key features of the Huawei SmartLogger3000A?**

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Huawei Digital Power Technologies Co., Ltd.**.

- **Manufacturer Website:** https://solar.huawei.com
- **Technical Support:** sales@huawei-solar.org
- **Sales Inquiries:** sales@huawei-solar.org
- **Data Source:** Official Datasheet - Huawei Digital Power Technologies Co., Ltd.

Disclaimer: *All specifications are based on the official datasheet. Specifications are subject to change without notice. Please verify with the manufacturer for the most current information.*

Last Updated: March 2026 | **Document Version:** 1.0 | **Published by:** Huawei UAE (huawei-solar.org)