Huawei SUN2000-196/200/215KTL-H Series

The Huawei SUN2000-H utility-scale smart string inverter delivers 196-215kW for large commercial rooftops and ground-mount PV plants. Features smart air cooling, high efficiency, and seamless integration with SmartLogger3000.

Models Covered: SUN2000-196KTL-H0, SUN2000-200KTL-H2, SUN2000-215KTL-H0

Manufacturer: Huawei Digital Power Technologies Co., Ltd.

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

INVERTERS | H SERIES UTILITY SMART STRING INVERTER | SMART AIR COOLING | HIGH EFFICIENCY STRING DESIGN | SMARTLOGGER3000 COMPATIBLE | IP66 PROTECTION | PID RECOVERY

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Technical Specifications

- Technical Specifications
- Key Features
- Applications & Use Cases
- Frequently Asked Questions

Technical Specifications

Parameter	SUN2000-196KTL-H0	SUN2000-200KTL-H2	SUN2000-215KTL-H0
DC Input			
Max DC Voltage [V]	1500		
MPPT Voltage Range [V]	600-1500		
AC Output			
Rated AC Power [kW]	196	200	215
Grid Connection	Three-Phase		
General Data			

Protection Degree	IP66
Cooling	Smart Air Cooling
Operating Temperature	-25 °C ~ +60 °C

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

Key Features

- Smart Air Cooling
- High Efficiency String Design
- SmartLogger3000 Compatible
- IP66 Protection
- PID Recovery
- Fuse-Free Design

Applications & Use Cases

Typical Applications

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

Regional Installation Notes (United Arab Emirates)

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

- Sand and dust resistant design
- Wide operating temperature range
- High efficiency in hot conditions
- Long-term warranty

Frequently Asked Questions

▼ What is the input voltage range?

The H series supports 1500V DC input for utility-scale systems, with MPPT operating range of 600-1500V for long string designs that reduce cabling and installation costs.

▶ What is the warranty coverage for the Huawei SUN2000-196/200/215KTL-H Series?

▶ What certifications does the Huawei SUN2000-196/200/215KTL-H Series have?

▶ What model variants are available in the SUN2000-196/200/215KTL-H Series series?

▶ What are the installation requirements for the Huawei SUN2000-196/200/215KTL-H Series?

▶ How does the Huawei SUN2000-196/200/215KTL-H Series perform in hot climates?

▶ What are the key features of the Huawei SUN2000-196/200/215KTL-H Series?

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:** solar@huawei.com
- **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.*

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