Huawei DTSU666-H Smart Power Sensor (Three-Phase)

The Huawei DTSU666-H is a three-phase smart power sensor with Class 1 accuracy for precise energy monitoring. Features RS485 Modbus RTU communication, power export limitation, and low 1W consumption.

Models Covered: DTSU666-H (100A), DTSU666-H (250A)

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 | SMART POWER SENSOR | CLASS 1 MEASUREMENT ACCURACY | THREE-PHASE MONITORING | RS485 MODBUS RTU | POWER EXPORT LIMITATION | LCD DISPLAY

Technical Specifications

Parameter	DTSU666-H (100A)	DTSU666-H (250A)
Measurement		
Phases	Three-Phase	
Accuracy Class	Class 1	
Current Rating [A]	100A / 250A	
Power Consumption [W]	1	
Communication		
Protocol	RS485 (Modbus RTU)	
Display	LCD	
Included Accessories		
Current Transformers	3x Folding CT (5m cable)	
RS485 Cable	10m	

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

Key Features

Class 1 Measurement Accuracy	Three-Phase Monitoring	RS485 Modbus RTU
Power Export Limitation	LCD Display	1W Power Consumption

Applications & Use Cases

Typical Applications

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

Frequently Asked Questions

▼ What does the smart meter do?

The DTSU666-H measures grid import/export power in real-time, enabling the inverter to optimize self-consumption and comply with power export limitations set by the utility.

▶ What is the warranty coverage for the Huawei DTSU666-H Smart Power Sensor (Three-Phase)?

▶ What certifications does the Huawei DTSU666-H Smart Power Sensor (Three-Phase) have?

▶ What model variants are available in the DTSU666-H Smart Power Sensor (Three-Phase) series?

▶ What are the installation requirements for the Huawei DTSU666-H Smart Power Sensor (Three-Phase)?

▶ How does the Huawei DTSU666-H Smart Power Sensor (Three-Phase) perform in hot climates?

▶ What are the key features of the Huawei DTSU666-H Smart Power Sensor (Three-Phase)?

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.*

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