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SOLAR INVERTER AND MORE 2026 Sunways Accessories Datasheet

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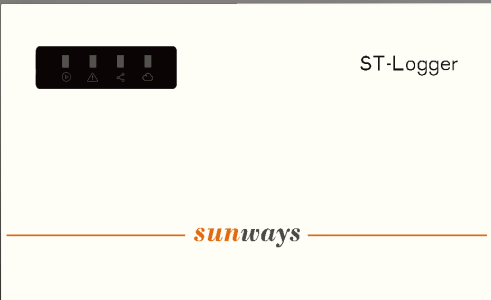
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 Website: www.sunways-tech.com

- Monitoring of up to 90 devices
- Support of RS485, Ethernet, WiFi and GPRS communication
- Support of energy meter, meteo station, sensors and other equipment access
- Active and reactive power control
- 100% data availability through 24/7 operations



DATA LOGGER

- Export limitation & control
- Various models of CT are available
- Compatible with various grid types
- High current measurement precision



SMART METER

Technical Parameters

General Data		Environmental Data	
Max. number of Inverters	90 (30/RS485 Port)	Operating Temperature (°C)	-10~+60
Preference Setting	Remote Web / APP	Operating Humidity	0%-90% relative humidity, no condensation
Firmware Upgrade	Wireless upgrade	Operating Altitude (m)	≤4000
Working Voltage (V)	DC 12	Storage Temperature (°C)	-40~+85
Power Consumption (W)	< 10	Storage Humidity	< 40%
		Protection Degree	IP20
Interface Specification			
RS485 Interface	4 ports (3 ports for inverters connection, 1 port for other devices connection), Baud 9600bps (Adjustable from 1200-57600 bps)		
Ethernet Interface	1 port, 10/100Mbps Self-adaptive		
Wireless Interface	WiFi/GPRS Alternative		
Output Dry Contact	Two independent dry contacts, 230V/1A		
Other Interface	CAN/USB/SD/SIM		
Wireless Data			
WiFi Transmitting Power	802.11b: +16 +/-2dBm (@11Mbps)、802.11g: +14 +/-2dBm (@54Mbps)、802.11n: +13 +/-2dBm (@HT20, MCS7)		
WiFi Receiving Sensitivity	802.11b: -87 dBm (@11Mbps , CCK)、802.11g: -73 dBm (@54Mbps, OFDM)、802.11n: -71 dBm (@HT20, MCS7)		
WiFi Operating Frequency (GHz)	2.412-2.484		
Communication Distance (m)	100 (without obstacles)		

Technical Parameters

Model		STM
Voltage Range (V)		85~280
Frequency (Hz)		50/60
Rated Current (A)		90A/120A/300 (With CT)
Self-consumption (W)		<3
Data Detection		Current/Voltage/Active Power/Reactive Power/Power Factor/Frequency
Calculated Value		Power Factor/Bidirectional Active/Reactive Power Energy
Precision	Active Power	Class 1 (IEC 62053-22)
	Reactive Power	Class 1 (IEC 62053-23)
Communication		Modbus RTU (RS485)
Interface		3 LED, Reset Button
Mechanical Parameters	Terminal capacity (mm2)	0.5~4 (Copper Core Wire)
	Size [L*W*H] (mm)	85*54*75
	Weight (g)	150
	Protection Degree	IP20 (For Indoor Use)
		35mm DIN Rail
Installation Method		
Operating Temperature (°C)		-25 ~ +60
Operating Humidity		<95%, No Condensation
Altitude (m)		<2500

- Metal body, beautiful and long durable
- Plug and play 1s installation, no need to set
- Support local and remote monitoring
- IP65, for both indoor and outdoor installation
- External SIM card slot, easier for SIM card replacement

A white, rectangular GPRS module with a black top cap and a black cable extending from the bottom. It features a green LED indicator labeled 'COM' and a SIM card slot on the right side.

GPRS MODULE

- Plug and play 1s installation
- Data encrypted to ensure data security
- Supports breakpoint retransmission
- Remote upgrade available
- Stable and reliable data transmission via wired internet cable
- Default dynamic IP mode and static IP commissioning available

A white, rectangular LAN module with a black top cap and a black cable extending from the bottom. It features a green LED indicator labeled 'COM' and an IP68 rating label on the bottom.

LAN MODULE

Technical Parameters

General Data	
Max. number of Inverters	1
Inverter Communication	USB3.0
External Antenna	SMA water-proof glue stick antenna
Data Intervals	Remote configuration available
Preference Setting	Remote Web, APP
Data Access	Remote server
Working Voltage (V)	DC 5
Working Current (mA)	130 (600 Peak)
Wireless Data	
Wireless Transmitting Power (dbm)	GSM850/EGSM900: 5~32.5, DCS1800/PCS1900: 0~29.5
Wireless Receiving Sensitivity (dBm)	< -108.5
Wireless Operating Frequency	GSM850, EGSM900, DCS1800, PCS1900
GPRS Connection Features	GPRS multi-slot class is 10 (default), GPRS mobile station class B
Environmental Data	
Operating Temperature (°C)	-10~+60
Operating Humidity (%)	0-90 relative humidity, no condensation
Storage Temperature (°C)	- 40~+85
Storage Humidity	< 40%
Protection Degree	IP65
Other Data	
Dimensions [L*W*H] (mm)	156*52*30
Weight (g)	140
Warranty (years)	2

Technical Parameters

General Data	
Max. number of Inverters	1
Inverter Communication	USB3.0
Remote Communication	IEEE802.3 10
Serial Port Communication Rate (bps)	115200
MAX. Communication Distance (m)	100
Data Intervals	Remote configuration available
Preference Setting	Remote Web, APP
Data Access	Remote server
Working Voltage (V)	DC 5
Working Current (mA)	100 (220 Peak)
Environmental Data	
Operating Temperature (°C)	-30~+75
Operating Humidity	0%-90% relative humidity, no condensation
Storage Temperature (°C)	-40~+85
Storage Humidity	< 40%
Protection Degree	IP65
Other Data	
Dimensions [L*W*H] (mm)	116*52*30
Weight (g)	100
Warranty (years)	2



WIFI MODULE

- Plug and play 1s installation
- Metal body, beautiful and long durable
- Easy to configure with Sunways Monitoring App
- Support local and remote monitoring
- IP65, for both indoor and outdoor installation
- Enable mobile monitoring at anytime any-where



WIFI MODULE

Technical Parameters

General Data	
Max. number of Inverters	1
Inverter Communication	USB3.0
Remote Communication	WIFI (802.11 b/g/n)
Serial Port Communication Rate (bps)	115200
Communication Distance (m)	100 (without obstacles)
External Antenna	SMA water-proof glue stick antenna
Data Intervals	Remote configuration available
Preference Setting	Remote Web, APP
Data Access	Remote server
Working Voltage (V)	DC 5
Working Current (mA)	80 (200 Peak)
Wireless Data	
WiFi Transmitting Power	802.11b: +16 +/-2dBm (@11Mbps), 802.11g: +14 +/-2dBm (@54Mbps), 802.11n: +13 +/-2dBm (@HT20, MCS7)
WiFi Receiving Sensitivity	802.11b: -87 dBm (@11Mbps ,CCK), 802.11g: -73 dBm (@54Mbps, OFDM), 802.11n: -71 dBm (@HT20, MCS7)
WiFi Operating Frequency (GHz)	2.412-2.484
Environmental Data	
Operating Temperature (°C)	-10~+60
Operating Humidity	0%-90% relative humidity, no condensation
Storage Temperature (°C)	-40~+85
Storage Humidity (%)	< 40
Protection Degree	IP65
Other Data	
Dimensions [L*W*H] (mm)	156*52*30
Weight (g)	130
Warranty (years)	2

MONITORING PORTAL

Web Monitoring Portal:
www.sunways-portal.com

App: Sunways Portal
Google play & Apple store

One click diagnose device

Multi-dimensional data visualization

Customized dynamic data & energy flow presentation

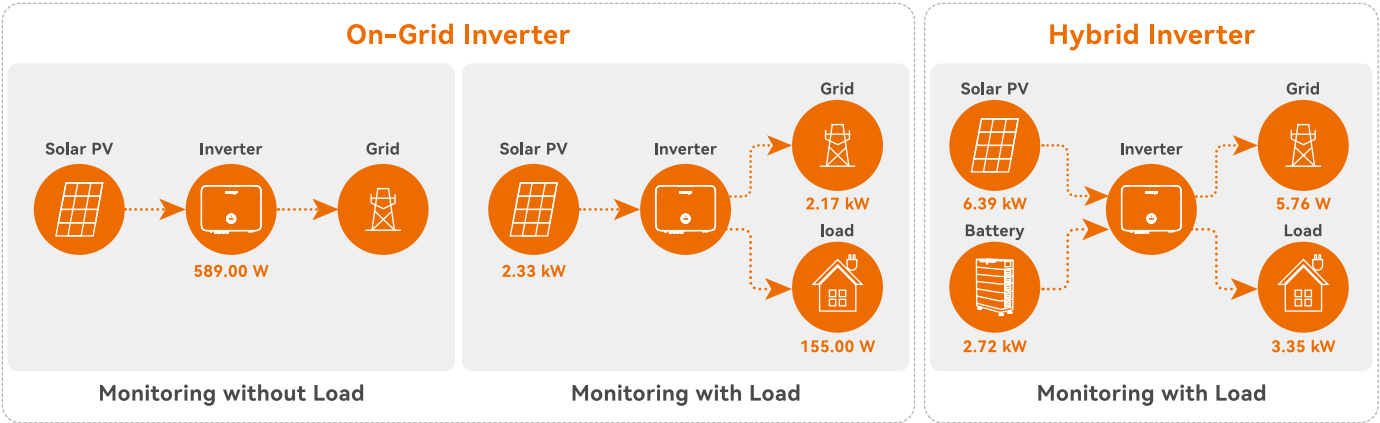
Support multiple languages operation

One App for all roles, UI auto changed according to user's role

Rich data analysis-Realtime/Daily/Monthly/Yearly

Check and manage your plant at anytime, anywhere

Only owner account can be registered via APP, For distributor account pls need to contact with Sunways team.



MONITOTING DEVICES

