# SmartLogger1000

## Smart

- MODBUS-TCP for connections to Huawei NetEco
- IEC60870-5-104 for connections to third-party monitoring systems
- USB and embedded web for data reading and software upgrade
- Automatically detecting facilities and mapping RS485 addresses
- Remote control of active & reactive power

## Simple

- Up to 80 inverters per SmartLogger1000
- Up to 30 devices per RS485 bus
- Easy to install on walls, tabletops and rails

## Stable

- Max. reliable communication range of 1000m

| Technical  Specifications | Smart Logger |
|---|---|
| **Device Management** | |
| Max. Number of Manageable Devices | 80 |
| Max. Number of Manageable Smart Inverters | 80 |
| **Communication Interface** | |
| Electrical Ethernet | ETH × 1, 10 / 100 Mbps |
| RS485 | COM × 6, 4800 / 9600 / 19200 bps |
| Digital / Analog Input / Output | DI × 4, DO × 3, AI × 2 |
| **Communication Protocol** | |
| Ethernet | ModBus-TCP, IEC 60870-5-104 |
| RS485 | MODBUS-RTU, IEC 60870-5-101/103 |
| **Interaction** | |
| LCD | 3.5inch Graphic LCD |
| LED | LED Indicator × 3 |
| WEB | Embedded WEB |
| Bluetooth | SUN2000 App |
| USB | USB2.0 × 1 |
| **Environment** | |
| Operating Temperature | -20℃ ~ +60℃ (-4 °F ~ +140 °F) |
| Storage Temperature | -40℃ ~ +85℃ (-40 °F ~ +185 °F) |
| Relative Humidity (Non-Condensing) | 5% ~ 95% |
| **Environment** | |
| Power Supply | 90 Vac ~ 264 Vac , 50Hz / 60Hz |
| Power Consumption | Min. 3W, Max. 7W |
| Dimensions (W/H/D) | 225 × 140 × 50 mm (8.9 × 5.5 × 2.0 inch) |
| Protection Rating | IP20 |
| Installation Option | Wall Mounting, Rail Mounting, Tabletop Mounting, Integrated Inside Huawei Smart Array Controller (SACU) |

## Always Available for Highest Yields

# NetEco1000S

### Smart

- Easy data accesses on mobile devices
- Proactive reports of yields and alarms

### Simple

- One-click installation on PC
- Fault alarms via SMS and E-mail

### Stable

- Hierarchical management
- Up to 25 years data storage with CSV files

## Network Structure

Mobile device    IE              NetEco 1000S        Alarm           Grid management center

SUN2000          SUN2000

Sub-network

Smart Logger                        Smart Logger

RS485/232

TCP/IP

SUN2000    SUN2000    Weather        SUN2000    SUN2000    Weather
                      Station                              Station

**Always Available for Highest Yields**

www.huawei.com/solar