SmartLogger

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 equipment and assigning RS485 addresses
- Remote control of active & reactive power

Simple

- Up to 80 inverters feeding into one Smart Logger
- Up to 30 devices per RS485 bus
- Easy to install on walls, tabletops and rails mounting

Stable

- Max. reliable communication range of 1000m
- Remote configuration, automatic set-up of RS485 addresses

Technical Specifications	Smart Logger
Device Management	
Max. Number of Devices	80
Communication Interface	3 x RS485
Max. Communication Range	1000 m (3,280 ft)
Display	
LCD	3.5 inch Graphic LCD
LED	3 LEDs
Web	Embedded Web
General Data	
Power Supply	100 V ~ 240 VAC, 50 Hz / 60 Hz
Power Consumption	Typical: 3 W, Maximum: 7 W
Memory	32 MB flash memory, expanded to 16 GB with optional SD car
Language	English, Chinese, German, Italian, Japanese, French
Dimensions (W/H/D)	225 × 140 × 50 mm (8.9 × 5.5 × 2.0 inch)
Operating Temperature Range	-20 ℃ to +60 ℃ (-4 °F to +140 °F)
Relative Humidity (Non-condensing)	5 - 95%
Degree of Protection	IP20
Installation Option	Wall mounting, Tabletop, Rail mounting
Safety / EMC	EN 55022:2010, CISPR 22:2008, EN 55024:2010, CISPR 24:2010, AS/NZS CISPR22, IEC/EN 61000-3, IEC/EN 61000-6, IEC/EN 60960-1
Interface	
Ethernet	10 / 100 M, Modbus – TCP, IEC60870-5-104
RS485	Modbus - RTU
USB	Yes
Number of Digital Inputs	4
Number of Analog Inputs	2
Number of Relays	3

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NetEco

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

Sub-network

SUN2000 · · · SUN2000

Smart Logger   Smart Logger

—— RS485/232

—— TCP/IP

SUN2000 SUN2000 Environment monitor SUN2000 SUN2000 Environment monitor

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