

SMS 1000

Solar Monitoring System



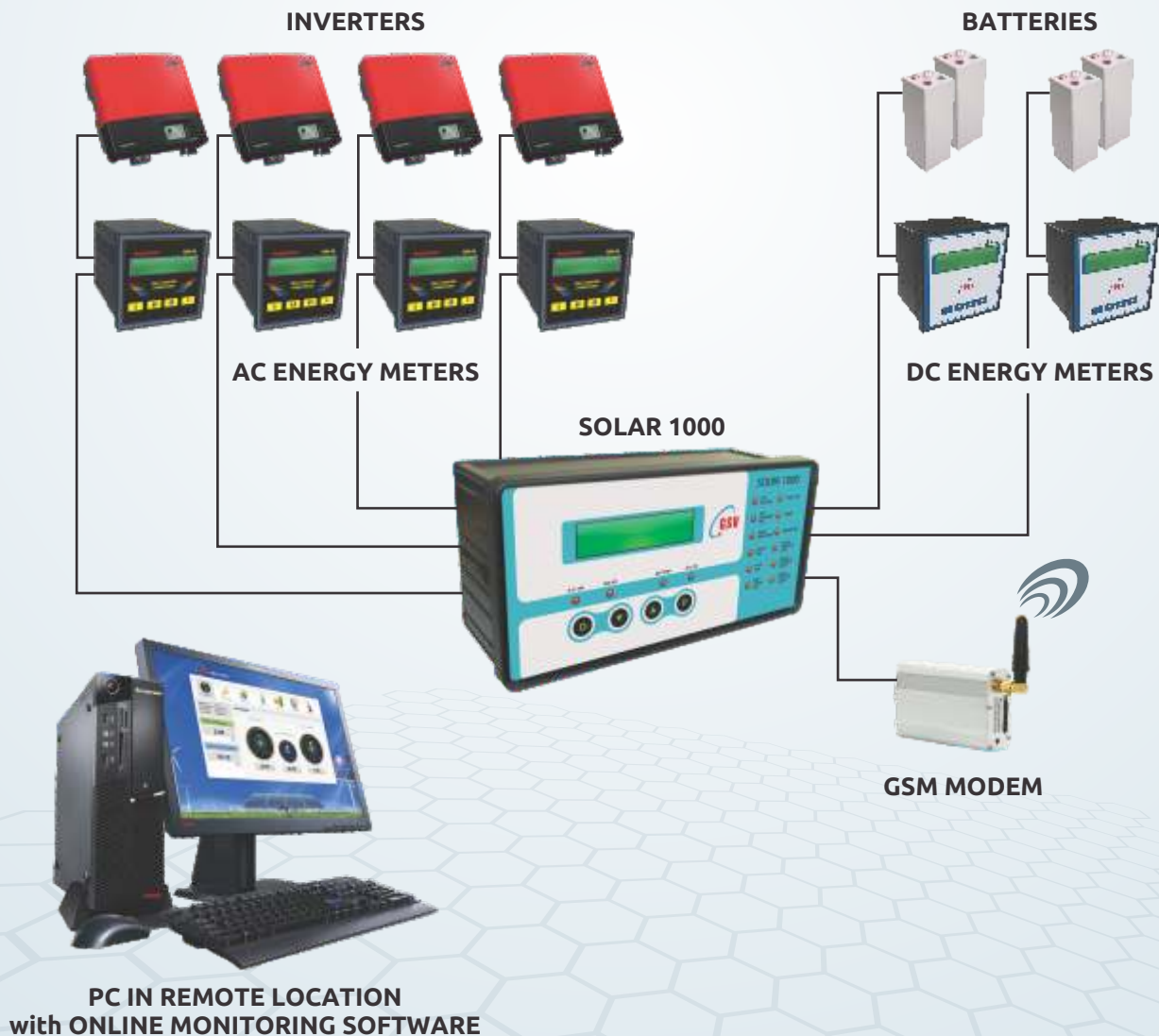
OVERVIEW

SMS 1000 Solar Monitoring System is an intelligent end-to-end wireless remote monitoring solution for your solar system. The system offers real time acquisition, integration and monitoring of your remote assets. The SMS 1000 incorporates up to 4 three phase AC energy meters and 2 DC energy meters connected to a Solar 1000 data processing unit.

The Solar 1000 acquires information from both the AC energy meters and the DC energy meters and transmits the information using GSM/GPRS technology to a remote location. The remote station is equipped with our remote monitoring software which collects, analyzes and presents the data in easily readable charts and reports.

The AC energy meters are connected to the inverter outputs to read voltage, current, power, power factor, energy and power information.

The DC energy meters are used to acquire battery parameters like DC voltage, DC current and DC energy.





ONLINE REMOTE MONITORING SOFTWARE



SOLAR 1000 SPECIFICATIONS

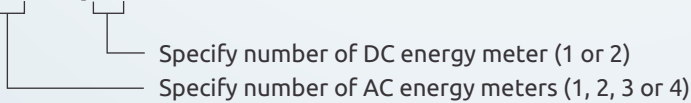
Analog Inputs	1. Solar Panel Voltage 2. Solar Charging Current 3. Battery Voltage 4. Battery Discharge Current
DG Voltage	0 to 350V AC
Sun Intensity Sensor	0 to 5V DC
Digital Inputs	1. Emergency Input (Isolated 0 to 12V) 2. Reserved Input (Isolated 0 to 12V)
Digital Outputs	1. Control output for DG start / stop Relay contact rating - 5A at 48V max 2. Reserved Relay Output
Display	16 Character 2 line Backlit LCD
Power Supply	12V DC

Operating Temperature	0 to 70 Deg C
External Interfaces	1. Logic Interface to external modem 2. RS485 interface
Real Time Clock	Built-in
Internal Data Storage	
In-built EEPROM	500 Records
Storage Interval	1 to 60,000 min.
Alarm Events Stored	Last 100 events
Data Transmission to Server	
Periodic GPRS transmission Freq.	1 to 60,000 min
Transmission on demand feature	Yes
Transmit on alarms	Yes
SMS on alarms to critical personnel	Up to 5 mobile #s



PART NUMBER

SMS1000/X AC/X DC



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