

## Modular Inverter System Controller

**SYS 3000**

The optional SYS-3000 is a Supervisor panel providing immediate information of the system or individual inverters locally at site or remotely with our PSM software anywhere in the world.

All parameters can be viewed, and modified locally and remotely again without having to gain access into the main components of the system, making maintenance and support simple and ultimately safe.

100% digital control makes the SYS-3000 a valuable tool for any engineer or network manager requiring up to the minute information.

If you do not need remote control then just connect to the RS232 port and download the system information straight onto your laptop or PC or for BMS alarms we provide Volt free contacts as standard.



### Key Features

- Full Local and remote supervision, control and parameter modifications
- Group configuration
- Multi-group configuration
- Individual inverter interrogation
- RS232 connector
- Twin LCD displays
- Easy to use keypad
- BMS alarm contacts
- Programmable "urgent/non-urgent alarms"
- Safe and easy to use
- Ultimate power security - disconnect the SYS-3000 and it does not effect the inverter system

No controllers are required in our 100% digital Inverter system.

### General features

- High efficiency
- Very high MTBF
- Fully Microprocessor Controlled
- Outstanding response time
- Input/Output RFI meet International Standards
- Complete Supervision possibility
- On Line or Off Line Configurable
- Large Synchronisation Range
- Alphanumeric Display

With no single point failure as with many with many older technology Inverters making these one of the most reliable inverter solutions in the world.

### TECHNICAL SPECIFICATIONS

Power Supply	18 up to 150Vdc
System voltage measurement accuracy	0.5%
Maximum output current of the system	210A under 230V for 48 KVA
Current measurement accuracy	2%
Alarms and threshold protection programmable	Yes

Programmatic language	C and assembler
SYS 3000 and watchdog reliability	In case of controller fault, the inverter system will continue to run with the setting intrinsic values
Permissible ambient temperature	0 to 50 deg. C
Overall dimensions (W x H x D) in mm	235 x 265 x 45
Dimensions of apparent front (W x H) in mm	220 x 205
Weight	1.4 kg
DC voltage source(s) measurement accuracy	+ / - 1V (in relation to load)
<b>CONNECTIONS</b>	
To the RDI bus	Through RJ 45 connector
To the DC bus	Through 26 pins connector
To digital input	Through 16 pins arranged in : 2 pins for AC distribution 2 pins for DC fuses 5 x 2 pins for auxiliary inputs
To free potential contact outputs	Through 12 pins arranged in : 4 x 3 pins with 4 change over contacts (UA, NUA, Aux 1, Aux 2)
To RS232 or 485 output for PC or modem	On DB 9 or RJ 45 Connector
<b>USER'S INTERFACE</b>	
2 LCD displays            Display 1	2 lines of 16 characters to display permanently physical values (U, I, P, ...) of the system
Display 2	4 lines of 20 characters to display menu, parameters, individual data, ...
Display of U <sub>sys</sub> , I <sub>sys</sub> , measurements	3 digits + 1 decimal
Display of frequency measurement	2 digits + 1 decimal
Display of power measurement	In kW with 1 decimal for the system In W without decimal for the modules
Display of local alarms	6 LEDs
Keyboard	16 Keys
Parameters and configuration	Through opposite menus or PSM 2000 software
Languages	English or French through menu (other languages on request)

We reserve the right to change specifications without prior notice