

## WIN30

### Powerful and user friendly software designed to manage power systems supervised by an NRC30 control unit

Win30 is a Windows based software program developed to manage power systems that are controlled and monitored by an NRC30 control unit. It provides easy user access to all system measurements, status indicators and set-up parameters. It is a powerful tool that helps service personnel set up, monitor and maintain power systems equipped with an NRC30 control unit.

#### Key features

##### • Complete system monitoring

Win30 provides user-friendly access to all system measurement, status and alarm indicators allowing accurate diagnosis of equipment faults by reference to the 20 alarms generated by the NRC30 control unit.

- Mains measurements: single or three phase voltage, current and frequency
- System DC measurements: DC bus voltage, load current, battery voltage and temperature
- Battery management: float, equalize and commissioning charge modes, battery test (automatic or manual initiation), four battery tapping points for monitoring of cell/string voltage balance;
- Systems status & alarms: 20 status conditions and alarms can be monitored thanks to the Win30 software;

##### • System configuration

Win30 provides a user friendly interface to easily and safely (password protection) program all system set-up parameters. On screen displays allow the adjustment of system set points, alarm thresholds and system characteristics (float, boost and commissioning voltages, temperature compensation slope, low voltage disconnect, battery capacity, battery test etc)

##### • Remote commands

Win30 enables remote initiation of maintenance operations such as battery test or high rate battery charge etc.



##### • Event history log

WIN30 can access the history log of the system alarms stored in the NRC30 unit control and display them in a user friendly format

The history log of alarms, stored in the NRC30 control unit can be downloaded, displayed, or stored in a file for later analysis (e.g. export to an MS Excel sheet). Historical battery test data can be downloaded as well.

##### • Security

4 different password protected access levels are provided:

- Level 0: Read only
- Level 1: Modification of some set-up parameters (threshold values, time and date settings,...)
- Level 2: Modification of all set-up parameters (software configuration, shunts, temperature sensor number etc). This access level is reserved for customer maintenance personnel.
- Level 3: factory level

##### • Communication modes

Win30 handles 3 types of communication:

- Local communication via RS232
- Remote
  - 1) Via a modem
  - 2) Via a TCP/IP network with NCS option or via SNMP protocol with an SNMP adapter.

##### • Languages

English and French are available as standard with the Win30 package. For other specific languages please contact us.

##### • Minimum PC configuration

- Operating system: Windows NT4, Windows 98, Windows 2000 or XP
- 64 Mbytes of RAM
- 10 Mbytes of hard disk space
- A modem to communicate remotely with the NRC30 unit
- A serial port for 19200 bauds communication
- Ethernet access through the TCP/IP network for remote access

##### Product reference:

Win30

##### For use with control unit:

NRC30