

Telecom Power Supply

OPG MC2000monitor



FEATURES AND BENEFITS

- ▶ Flexible and scalable to satisfy your present and future needs
- ◆ Smart battery management gives long battery life-span
- ◆ Automatic battery test including advanced scheduled test / constant test / fast test
- ◆ Lower operating cost due to energy saving standby function for rectifier
- ◆ Log record and statistic with advanced algorithm
- ◆ Minimized installation time as a result of easily configurable file upload/download

PRODUCT DESCRIPTION

MC2000 is the new generation DC power controller module developed by Okayapower. The Controller module adopts ARM7 CPU as primary controller, and RTOS as system platform. MC2000 offers many features and functions, and a more robust, user-friendly, and easy-to-use interface.

APPLICATIONS

▶ INDOOR/OUTDOOR POWERSUPPLY

— In addition to controlling of rectifier modules, AC/DC distribution, MC2000 manages battery charge, discharge, test, maximizes battery capacity and lifespan. With improved memory, MC2000 can store mass alarm/event and data logs for system performance analysis and fault diagnose.

DI/DO connectors and RS232/Ethernet ports provide flexible extension function and parameters setting, software and logs downloading/ uploading, remote monitor system accessing.

KEYFUNCTIONS

▶ MEASUREMENT

- Analog value measurement
- ◆ Digital value measurement

▶ COMMUNICATION

- The Controller can communicate with the host computer in three modes: RS232, RS485 and Ethernet (WEB and SNMP). It can communicate with the rectifiers in RS485 mode.
- For remote and local monitor system via WEB browser, controlling, parameters upload/download, data load.
- ◆ SNMP protocol supports GET, SET and TRAP on Ethernet.

▶ DI/DO

- 8 user digital input interfaces freely configurable
- ◆ 8 groups of dry contact outputs freely configurable

▶ SCREEN AND LEDs

- High resolution LCD screen display running information and local setting interface
- ◆ Green/Yellow/Red LEDs indicate running status for local instant diagnose.

▶ ALARM HISTORY, EVENT HISTORY STORE

- 200 alarms history and 1000 events history store, FIFO for system analysis.

- ◆ www.okayapower.com

● **DATA LOG STORE(ADVANCEDVERSION)**

- ◆ 2000 data logs including bus voltage, load current, battery current and temperature with time tag.

● **REMOTEMETERING**

- ◆ AC voltage
- ◆ Bus voltage
- ◆ Load current
- ◆ Battery current
- ◆ Battery temperature
- ◆ Ambient temperature
- ◆ Rectifier modules voltage/current

● **REMOTECONTROL**

- ◆ Equalizing and floating charge function
- ◆ Voltage regulating of rectifier module
- ◆ Current limiting of rectifier module
- ◆ On/Off control of rectifier module
- ◆ Load disconnect
- ◆ Battery disconnect

● **BATTERYMANAGEMENT**

- ◆ Boost Charge
- ◆ Temperature Compensation
- ◆ Battery Test
- ◆ Low Voltage Disconnection
- ◆ Battery Capacity Prediction

● **ENERGYSAVINGMODE**

- ◆ High/standard efficiency modules mixture management
- ◆ Modules running cyclic
- ◆ Modules running dormancy

● **ALARMS/EVENTS**

- | | | | |
|------------------------------------|---------------------------|------------------------------------|-------------------------------------|
| ◆ SPD alarm | ◆ Battery boost charge | ◆ AC power failure | ◆ DC over voltage and under voltage |
| ◆ Smoke alarm | ◆ Battery test | ◆ System service required | ◆ Battery charge over-current |
| ◆ Door alarm | ◆ Battery discharge | ◆ Module communication fail | ◆ Battery temperature alarm |
| ◆ Water alarm | ◆ Current imbalance | ◆ Module fault | ◆ Ambient temperature alarm |
| ◆ Configurable digital input alarm | ◆ Abnormal output voltage | ◆ Module fan fault | ◆ Battery imbalance |
| ◆ Load fuse alarm | ◆ Battery test fail | ◆ Module protect | ◆ System energy-saving mode |
| ◆ Battery fuse alarm | ◆ Load disconnect | ◆ Module on/off status | ◆ Abnormal energy-saving |
| ◆ Manual mode alarm | ◆ Battery disconnect | ◆ AC over voltage and undervoltage | |

Site Monitoring Solution

