

RM-48-KA Control Module

Common Applications: Control Module DC Power Systems



RM-48-KA Control Module

Display

- The status of the rectifier system is displayed on the LCD control unit
- Output voltage/input voltage
- Output current
- Rectifier system setup value and alarms
- Display output currents for individual rectifier modules, the total output

Interface RS232

- Baud Rate: 57600 bps
- Data Bits: 8bit / stop bits: 1bit / parity bits: N

Analog Measurements (Tolerance: Full Scale $\pm 5\%$)

- Rectifier input AC voltage
- Rectifier output DC voltage
- Rectifier load current

Controller Unit Function

- Failure of the rectifier controller shall not affect the operation of the rectifiers in the system
- The control unit which sees can be stored and displayed 2000 event alarm log
- Dry contact alarm 6EA (user defined alarms)

Product Description

The **RM-48-KA** is a pluggable microprocessor controller that provides monitoring and control for our highly efficient DC Power Systems. The Controller monitors all systems parameters including DC voltage, rectifier current, rectifier temperature, system capacity, battery parameters, and circuit breaker status.

Product Features

- RS-232 interface for PC connection, TCP/IP, SNMP
- Adjustable Output Voltage
- AC input high / low voltage alarm
- Measures voltage, current, temperature, and capacity

CPU

- Cortex-M4 core
- CPU clock - up to 150MHz
- 32ch DMA, 16KB cache, DSP floating-point unit
- Memory: Flash 1MB / RAM128KB / EEPROM / Flax RAM, Flax NVM
- Ethernet, UART, RS485
- Support RTOS

Interface LAN

- Hardwired TCP/IP protocol (TCP/UDP/ICMP/Ethernet)
- 10BaseT / 100BaseTX Ethernet MAC / PHY Embedded
- Auto Negotiation (full and half duplex, 10/100-Based)
- Auto MDI / MDIX (straight-through or crossover)

Ordering Information

No.	Model #	Description
1	RM-48-KA	Control Module