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# Технические характеристики на модули наблюдения NRC50 бренда AEG Power Solutions

# NRC50

Powerful and expandable digital controller module for management of digital and analogue DC power systems



## KEY FEATURES

- » Advanced microprocessor technology with CAN Bus system communications
- » Five extension slots for expansion boards
- » Individual control of up to 120\* digital rectifiers or 64\* analogue rectifiers
- » High visibility, 4-line alphanumeric display or optional graphical display
- » Measurement of network mains voltage, frequency and current\* (single, or three phase)
- » Multiple branch, battery connection test
- » Comprehensive battery management capabilities for up to 6 branches, with battery voltage, current and temperature measurement, event history log and battery type selection\*
- » Mapped Float Temperature Compensation curves for optimum battery charging
- » Float and equalize battery charge modes, with charge current limitation and programmable switching conditions
- » Battery discharge test with configurable test parameters and timed intervals
- » Battery symmetry test
- » Advanced battery life counter
- » Low voltage disconnect (LVD) for up to 6 battery branches
- » Non essential load disconnect
- » Alarm Manager with configuration/management of 200 predefined alarms
- » Event history log with full time stamping
- » System security via password protected, multi-level access
- » Equation interpreter for total customer flexibility in alarm condition definition and configuration
- » Local and remote system alarm reporting with Modem\* autodial-out facility
- » TCP/IP\* connection, SNMP management available, email alerter, http access
- » MOD BUS\*-J BUS\* connection
- » Win50, WinSite, Windows compatible supervision software
- » CE

\*Optional expansion boards

**For use with rectifiers**  
SM1800, SM2000, SM5700

**For use with PC softwares**  
Win50, WinSite

# NRC50

SPECIFICATION

Input supply voltage	18 - 80Vdc
Nominal current	1.5A (48V input)
Battery Charge Modes	Float, Equalize (Charge modes have configurable Float Temperature Compensation curve (FTC) and di/dt charge limiting)
Battery Test	Automatic programmable, or manually triggered battery test (Test undertaken at constant discharge current) Multiple branches battery connection test with configurable parameters (manually & automatically triggered) Battery symmetry test Advanced battery life counter with ambient temperature integration Battery history log
<b>CONNECTIONS</b>	
Digital outputs	8 relay outputs: (expandable to 40) 80V/300mA
Alarm outputs	4 software configurable volt-free changeover relay contacts: 250Vac/4A
Analogue output	1 opto-isolated analogue output: -15V to +15V max. (software programmable limits)
Digital inputs	16 opto-isolated inputs: (expandable to 80) 0-5Vdc (12 V-70Vdc available via external interface board)
DC voltage measurement	2 voltage measurement inputs 0/60V or 0/5V link selectable
AC voltage measurement	3 voltage measurement inputs 0/20Vac
Communication ports	1 isolated RS485 or RS232C link selectable
DC current measurement	2 current + sign measurement inputs -50 mV/50 mV, -100 mV/100 mV 0/5 link selectable 2 current measurement inputs 0/50mV, 0/100mV, 0/5V link selectable
Temperature measurement	I2C port, up to 8 sensors
<b>MAINS MEASUREMENT</b>	
Voltage	Single or three phase; range 20Vac
Frequency	0/60 Hz
Current (option)	Single or three phase
Communications	Direct through RS242/RS485, connection ports, optional modem* or Ethernet board* (*Win50 Windows interface software package available)
<b>MECHANICAL SPECIFICATION</b>	
Dimensions	88mm (2U) H, 445mm (19") W, 245mm D
Weight	2.5kg to 3.6kg* (optional expansion boards)
Ingress protection	IP20
Mounting	Horizontal 2U, 19" racks
Connections	All rear connectors
<b>ENVIRONMENTAL</b>	
Cooling	Natural convection cooling
Operating temperature	-10°C to +60°C
Storage temperature	-40°C to +70°C
Humidity	0% to 95% non condensing
Altitude	0 - 4000 m operating
<b>STANDARDS</b>	
Safety	EN60950
EMC	Emission: EN61000-6.3/6.4 - Immunity: EN61000-6.1/6.2
Telecom networks	EN300386-2 - 300132-2
Environment	EN300019 (transportation storage and operation) ROHS Directive on Restriction of use of certain Hazardous Substances WEE directive on Waste Electrical and Electronic Equipment
Approvals	CE
<b>AVAILABLE CONFIGURATIONS</b>	
Product references	NRC50 Alphanumeric display

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