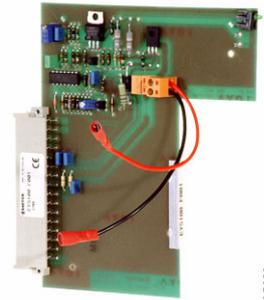


EYS100: nova106, UPS card

In the event of a mains power failure, this card guarantees an uninterrupted power supply (UPS) to the rack by changing over to the battery-driven back-up system. During mains operation, it controls the charging of the emergency accumulators (12 V, 6.0 Ah).

The period of emergency power depends on the function cards in the rack and the parameterisation.

By parameterising accordingly, it is possible to set via the software which functions should continue to be supplied with power in UPS mode. The yellow LED shows the status of the battery unit. Application: for uninterrupted power supply of the nova106 racks.



T05880

Products

Type	Description	Weight (kg)
EYS100F001	UPS card	0.1

Technical data

Electrical supply	
Power supply	from rack
Max. charging current	150 mA
Power consumption	7 VA
Power loss, max.	approx. 7 W
Power supply	165 mA
Battery specifications	12 V/6.0 Ah lead-acid battery

Permitted ambient conditions	
Operating temperature	0...45 °C
Storage and transport temperature	-25...70 °C
Humidity	10...90% rh no condensation

Standards, guidelines and directives

CE conformity as per	
EMC Directive 2004/108/EC	EN 61000-6-1/EN 61000-6-2
	EN 61000-6-3/EN 61000-6-4

Additional information

Fitting instructions	MV 505383
Dimension drawing (Battery cable)	M06763
Included in delivery of plug-in card	Battery fixing bracket
	Battery power cable

Accessories

Type	Description
0367887001*	12 V/6 Ah lead-acid battery

*) Dimension drawing or wiring diagram are available under the **same** number

Engineering notes

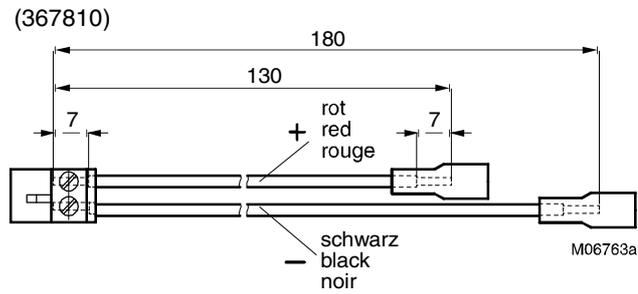
- The UPS card should be inserted in slot A.

Fitting instructions

- The lead-acid battery is fitted into the rack (see MV 505383) using the fitting kit (367 760.001) supplied with the card, and is connected to the card using the cable provided.
- It is imperative that correct polarity is observed: red cable to positive, black to negative. The accessory parts are included in delivery of the card.
- The yellow LED indicates the status of the battery unit: when fully charged, the LED lights up. This can take up to 48 hours the first time it is put into operation. As soon as the battery starts to provide current, the LED starts to flash. This is the case if the power supply falls below 190 V or fails completely. If the LED is unlit, the battery is being charged. If the LED remains unlit, the battery (or the power supply) should be checked.
- A lead-acid battery with a capacity of 12 V, 6.0 Ah (with dimensions stated below) is used. This facilitates fitting and safeguards the reliability of the total configuration. However, other batteries with greater capacity can also be used, though these will take longer to attain full charge, since the charging current is limited. Charging is done on the basis of constant voltage, so the charging current is highest when the battery is fully discharged. If a type of battery other than lead-acid is used (e.g. metal hydride etc.), checks should be made to ensure that this type of charging does not cause any dangerous conditions to arise in the battery used.
- The battery cable has been designed for spade connectors of 4.8 × 0.8 mm. Should the battery employed have different connectors, the card's connector can be screwed off and replaced by the appropriate cable and connectors (observing polarity).

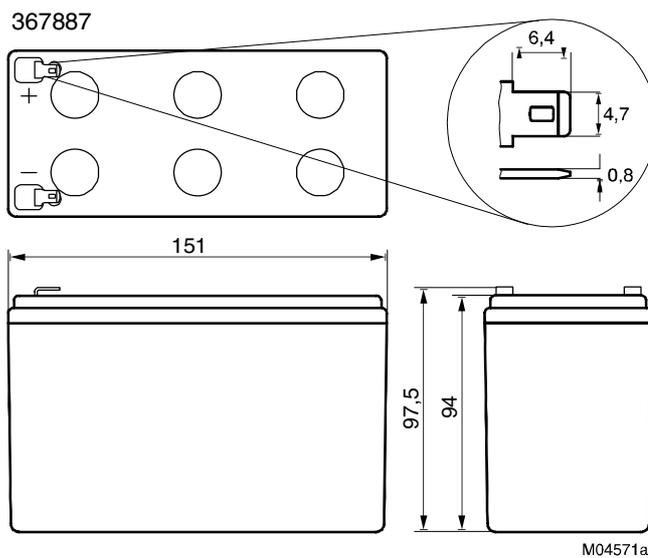
Dimension drawing

Cable



Accessories

Battery



Suppliers:

- Sonnenschein (A500)
- YUASA
- Panasonic