

MIT NG RANGE

Thyristor Controlled Battery Chargers



The **Mit NG** line comprises a conventional single-phase or three phase rectifier controlled in current mode, with battery charge current and nominal charger current limitation .

The rectifier is controlled and the unit managed integrally by microprocessor.

Using reliable thyristor technology with microelectronics functionality, makes the **Mit NG** very competitive in the world market.

The **Mit NG** assures the client a continuous quality power supply.

TECHNICAL DESCRIPTION

Signaling and control:

Battery and service output voltage measurement.
 Battery, service output and charger current measurement.
 Signaling and charger state monitoring.
 Local LED and remote contact relay alarms.
 Communications and user interface with the possibility of working with different protocols.

Battery management:

Pb and NiCd Battery charging.
 Battery and charger current limitation.
 Charging modes:
 Floating and boost charge.

GENERAL TECHNICAL FEATURES

- Input transformer
- Full thyristor bridge
- LC filter
- LVD: Low battery Voltage Disconnection*
- Output dropping voltage diodes*
- Temperature sensor and electrolyte probe*
- Hall effect current transducer fast response measurement*
- Output low ripple voltage filtering*
- Input MCB protection as standard
- Input and output VDR protection as standard
- Earth-fault detection

* Optional

ADVANTAGES

- Reliable and robust
- Digital control technology
- Local and remote signaling and alarms
- Functional info on LCD display
- Voltage, current and battery easily customized
- Communication capabilities under local RS232 or RS 485 or remote IP optional
- Manages any battery type and technology



APPLICATIONS

- Electrical
- Industrial
- Telecommunications
- Railways
- Mining

STANDARD MIT NG RANGE *

Voltage	Model	Currents									
		5	7.5	10	15	25	35	50	75	100	125
12 V	MIT 1										
	MIT 3										
24 V	MIT 1										
	MIT 3										
48 V	MIT 1										
	MIT 3										
110 V - 125 V	MIT 1										
	MIT 3										
220 V	MIT 1										
	MIT 3										

TECHNICAL SPECIFICATIONS

	MIT1 NG	MIT3 NG
Electrical features		
Nominal input voltage	230V +10 -15% * (Singlephase)	400V +10 -15% * (Threephase)
Input frequency	50 Hz/ 60 Hz ± 5%	50 Hz/ 60 Hz ± 5%
Output ripple voltage with battery connected	±1,5 %	±1,5 %
Output voltage stability	±1 %	±1 %
Operating temperature	0 - 45°C *	0 - 45°C *
Charger current limitation	100%	100%
Battery charging current limitation	Programmable	Programmable
Parallelable	Yes	Yes
Mechanical features		
Dimensions *	MIT1 NG	MIT3 NG
Height (mm)	1050-2145	1050-2145
Width (mm)	550-815	550-815
Depth (mm)	320-625	320-625
Protection degree	IP20	IP20
Ventilation	Natural convection	Natural convection

* Customized chargers available

ELECTRIC DIAGRAM

