RECTIFIERS BATTERY CHARGERS

MIT NG

Thyristors rectifiers battery chargers range

Description

MIT NG range comprises rectifiers battery chargers with conventional thyristors technology, controlled by microprocessor, both in Single-phase and Three-phase. Zigor has put together the thyristors reliable technology with the microelectronics functionality, making the Mit NG a very competitive equipment in terms of performance and characteristics. The MIT NG range assures the customer a continuous quality DC power supply.

The Zigor experience in power electronics allows developing a wide range of configurable system easily customised to meet customer needs.

MIT NG

Features

> Signalling and local control:
- Battery and service output voltage measurement
- Battery, service output and charger current measurement
- Signalling and charger state monitoring
- Local LED and remote contact relay alarms
- Optional: Communications and user interface with the possibility of working with different protocols: MODBUS, SNMP, etc.

> Battery management:
- Pb and NiCd technologies
- Battery and charger current limitation
- Charging modes:
  NiCd: floating, boost and manual charge
  Pb: floating, manual charge

> Galvanic isolation
> Full thyiristor bridge
> LVD: Low battery Voltage Disconnection *
> Voltage reducer *
> Temperature sensor and electrolyte probe *
> Hall effect current transducer for fast response measurement *
> Output low ripple voltage filtering *
> Input MCB protection as standard
> Input and output VDR protection as standard
> Distribution according to customer needs

** Optional*

Connectivity

> **Communication gateway and telemanagement unit for MIT NG**

Communication gateway to monitoring, configuration and supervision with MODBUS RTU protocol (isolated RS485) and web server for remote access to management and monitoring.

electrical **railway** **industrial** **telecommunications** data centers facilities

MIT NG RANGE											
		Output Current									
OUTPUT VOLTAGES	MODELS	5	7.5	10	15	25	35	50	75	100	125
12 V	MIT NG 1	■	■	■	■	■	■	■	■		
	MIT NG 3							■	■	■	■
24 V	MIT NG 1	■	■	■	■	■	■	■	■		
	MIT NG 3							■	■	■	■
48 V	MIT NG 1	■	■	■	■	■	■	■			
	MIT NG 3						■	■	■	■	■
110 V - 125 V	MIT NG 1	■	■	■	■	■	■				
	MIT NG 3					■	■	■	■	■	
220 V	MIT NG 1	■	■	■	■						
	MIT NG 3			■	■	■	■	■	■		

ELECTRICAL CHARACTERISTICS		
Models	**MIT NG 1**	**MIT NG 3**
Nominal input voltage	230V +10 –15% * (Single phase)	400V +10 –15% * (Three phase)
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 *
Current charger limitation	100%	100%
Battery charging current limitation	Programmable	Programmable
Parallelable	Yes	Yes
MECHANICAL CHARACTERISTICS		
Height (mm)	1050-2000	1050-2000
Width (mm)	550-800	550-800
Depth (mm)	320-600	320-600
Protection degree	IP20	IP20
Ventilation	Natural convection	Natural convection
STANDARDS		
Certificates	CE	
Directives	73/23/CEE-93/68/CEE / (2004/108/CEE)	
Standards	EN 50178 (1998) / EN 61000-6-4 (2001) / EN 61000-6-2 (2001) EN 61000-3-2. EN 61000-3-3	

** Consult for customized product*
Specifications may be changed without notice

> Synoptic MIT NG