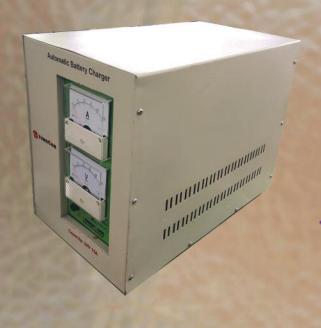
NTRODUCTION

Powertom rectifiers are designed by emphasizing on compact size, intelligent features and reliability. Rectifiers are designed failsafe, self-protected as well as protecting the system to which they are connected. It is ensured against overload by current limitation and provided with surge suppressores.



RECTIFIER FOR PRECISION USE WITH REPT.

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APPLICATION

- Unattended DC stand-by systems where the battery is used to supply DC power when the main fails. Battery is kept in float charge condition continuously.
- On-line DC system, where the rectifier is used to charge the battery as well as supplying power to the load.
- Telecommunication system in which the charger is used as a Battery Eliminator.

EATURES

- Constant voltage charging profile and ripple free regulated output voltage.
- Short circut fail-safe design by automatic current limiting.
- Reverse polarity protection.
- Semiconductor-dropper is used compensete high voltage when charger is connected to load in parallel.
- Complete situation monitoring options.
- Esthetically looks with heavy steel enclosure.





ELECTRICAL PARAMETERS

CHARGER/RECTIFIER

INPUT SPECIFICATION

INPUT VOLTAGE RANGE : 110VAC/240VAC, 10

: 190VAC 415VAC, 3 ()
INPUT VOLTAGE VARIATION : ±10%/±15%/±20%

REQUENCY : 50HZ±5%

LINE REGULATION : ±1% FROM NO LOAD TO FULL LOAD

EFFICIENCY : 85%

OUTPUT SPECIFICATION

OUTPUT VOLT : 6V, 12V, 24V, 36V, 48V, 60V 110V, 220V(Continuous)

OUTPUT CURRENT : 1-500 AMP DC (As per req.)

RIPPLE : 0.5% to 5% (As per req.)

LOAD REGULATION : ±1%-3% (As per req.)

for 0-100% Load

FLOAT CHARGE : 2.35VPC(Adj.)
BOOST CHARGE : 2.45VPC(Adj.)

VOLTAGE STABILITY : ±1%

INDICATION : MAINS ON, LOW, HIGH, CHARGING, CHARGE FULL

METERS : VOLTMETER AND AMPERE METER

SAFETY ARRANGEMENT :SHORT CIRCUIT PROTECTED BY CURRENT LIMIT.

(FUSES ALSO POROVIDED FOR EVERY STEPS), MCCB FOR INPUT AND OUTPUT OVER VOLTAGE AND UNDER VOLTAGE CUTOFF. BATTERY POLARITY PROTECTED

OVER LOAD PROTECTED BY CKT. BREAKER.

TERMINAL : OUTPUT TERMINALS FOR BATTERY AND LOAD.

NOISE LEVEL :TYPICALLY LESS THAN 65 dB AT 1 M
COOLING :NATURAL / FORCED COOLING

AMBIENT CONDITION :TEMPERATURE-0° ~ 55° C, HUMIDITY-95%

CASING :STEEL FRAMED AND IP SAFETY ARRANGEMENT PROVIDED

BATTERY CHARGER SERIES

MODEL	VOLT CAPACITY	AMP CAPACITY	MODEL	VOLT CAPACITY	AMP CAPACITY
PCM0610	06V	10A	PCM4810	48V	10A
PCM1210	12V	10A	PCM4820	48V	20A
PCM1220	12V	20A	PCM4825	48V	25A
PCM1250	12V	50A	PCM4850	48V	50A
PCM12100	12V	100A	PCM48100	48V	100A
PCM2410	24V	10A	PCM11010	110V	10A
PCM2420	24V	20A	PCM11020	110V	20A
PCM2425	24V	25A	PCM11050	110V	50A
PCM2450	24V	50A	PCM11010	110V	100A
PCM24100	24V	100A	PCM22010	240V	10A
PCM24200	24V	200A	PCM22050	240V	50A
PCM24300	24V	300A	PCM220100	240V	100A

N. B.: Powercom CAPABLE TO ANY CUSTOMIZED DESIGN OF BATTERY CHARGER.



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