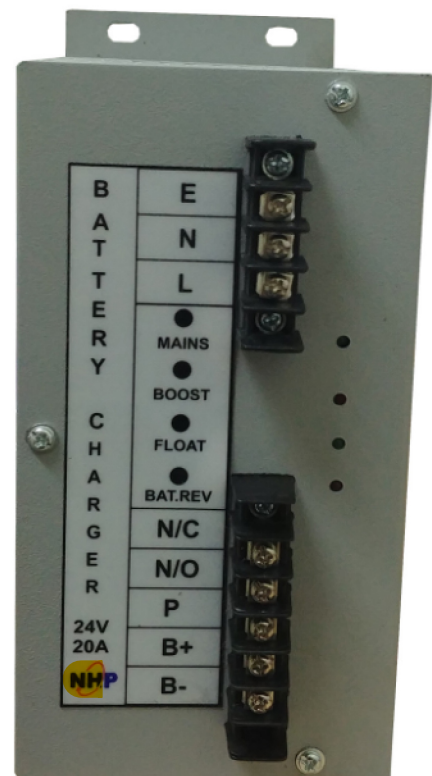


Battery Charger

-BC-24-20-A

Salient Features:

- Surge immunity up to 7KV
- Two phase protection
- Wide operating range
- Draws zero current from battery when mains is off
- Can be connected in parallel with the alternator
- High reliability
- Three stage charging



Unit Dimensions: 190mm×85mm×150mm

Footprint: 190mm×85mm

Ordering Code**NHP-BC-24-20-A****OUTPUT**

DC VOLTAGE	Float	26.2V DC - 26.5V DC
	Boost	27.8V DC - 28.4V DC
CURRENT	Float	0A - 5A
	Boost	5A - 20A
OUTPUT POWER		360W
RIPPLE		250mv P-P
LINE REGULATION		Better than 1%
LOAD REGULATION		Better than 2%
HOLD UP TIME		20MSEC(230VAC &FL)
TERMINATION		Terminal Blocks

INPUT

VOLTAGE RANGE	170-270VAC
FREQUENCY RANGE	40-60 HZ
EFFICIENCY	85%
INRUSH CURRENT	35A(230VAC)
LEAKAGE CURRENT	Less than 3.5ma
TERMINATION	Terminal Blocks

Indications

Mains on	Green
Boost	Red
Float	Green
Battery REV	Red

Annunciation

N/O	Normally open
P	Pole
N/C	Normally closed

PROTECTIONS

O/P OVERLOAD	PROTECTED AUTO RECOVERY
O/P OVERVOLTAGE	PROTECTED 14.5VDC
I/P OVERVOLTAGE	PROTECTED UPTO 320 VAC
I/P UNDERVOLTAGE	PROTECTED, AUTO RECOVERY
THERMAL OVERLOAD	PROTECTED, AUTO RECOVERY

ENVIRONMENT

OPERRATING TEMPERATURE	-20 TO 50 DEG C .
HUMIDITY	20 ~ 90 RH NON CONDENSING
STORAGE TEMP	-20 TO 85 DEG C
VIBRATION	10 TO 200HZ 2.5G 10MIN/CYCLE FOR 60 MIN ON ALL 3 AXES

SAFETY

IEC950-1	DESIGN AS PER IEC950
ISOLATION	I/P-O/P :-3000V AC, I/P- EARTH :-2000V AC, O/P-EARTH :-1000 V AC

EMI/EMC

CONDUCTED EMI	CISPR22A
SURGE	IEC 61000-4-5 LEVEL3 DIFF MODE 2KV , COMMON MODE 4KV (IMPEDANCE DIFF 2 OHMS &COMMON MODE 10 OHMS) WAVEFORM 8/20 AND 1.2/50 COMBINATION WAVE CRITERIA A
ESD	IEC 6100-4-2 AIR 8KV, CONTACT 4KV CRITERIA A
EFT	IEC 61000-4-4 2KV ON INPUT CRITERIA A