

## Green Power Heavy Duty Charger GP-HFC 10-20

### 1. TECHNICAL SPECIFICATIONS:

INPUT	AC VOLTAGE	160V ~ 260 V SINGLE PHASE (2 WIRE + EARTH)
	FREQUENCY	50 HZ ± 10%
OUTPUT	DC VOLTAGE	SELF SELECTED
	CHARGING CURRENT	2-20 AMP.MANUALLY ADJUSTABLE
	OUTPUT VOLTAGE RIPPLE	<3% WITHOUT BATTERY
	EFFICIENCY	>90%(AT FULL LOAD)
BATTERY SELECTION ( THE CHARGER CAN CHARGE A BATTERY BANK OF 12 V TO 120 V )		1-10 NOS. 12V LEAD ACID BATTER HAVING CAPACITY FROM 32AH TO 200AH. TO BE CONNECTED IN SERIES. FOR MIXED CAPACITY BATCH, SUITABLE CURRENT TO MATCH THE LOWER CAPACITY BATTERY SHOULD BE SELECTED
		FOR HIGHER CAPACITY BATTERIES, UP TO 10 STRINGS PARALLELING OF THE UNICHARGER IS PERMITTED TO ENHANCE THE CHARGING CURRENT UP TO 100A
PROTECTIONS & INDICATIONS ( THIS PROTECTIONS ARE INDICATED AS PER LED STATE TABLE )	MAINS ON	INDICATE SUPPLY AVAILABLE,
	MAINS U/V	INDICATE MAINS UNDER VOLTAGE ,CHARGER SHUT DOWN.IT WILL RESTART AUTOMATICALLY WHEN THE VOLTAGE REACHES WITHIN OPERATING RANGE
	MAINS O/V	INDICATE MAINS OVER VOLTAGE ,LED BLINKING,CHARGER SHUT DOWN. IT WILL RESTART AUTOMATICALLY WHEN THE VOLTAGE REACHES WITHIN OPERATING RANGE
	NO/REV.BATT	BATTERY NOT CONNECTED / BATTERY REVERSE CONNECTED. LED GLOWS STEADILY. FROM NO BATTERY TO RECONNECTION OF BATTERY THE WAIT TIME IS 1 MINUTE.AFTER 1 MINUTE THE UNIT WILL READY FOR CHARGING. IF RECONNECT WITH PROPER POLARITY BEFORE 1 MINUTE LED WILL BLINK FOR REST OF 1 MINUTE AND THEN WORK NORMALLY .

	TEMP. TRIP	IF THE TEMP. INSIDE THE CABINET > 85°C THE UNIT WILL TRIP MAINS U/V-O/V AND CHARGER ON/TERMINATE BOTH LED WILL BLINK .
	CHARGER ON/ TERMINATE	IT INDICATES CHARGING IS ON WITH CHARGING CURRENT > 1 AMP . IF BATTERY VOLTAGE MORE THAN 165 VOLT FOR ONE HOUR AFTER CHARGING STARTED , CHARGING WILL BE TERMINATED. THE LED WILL BLINK. THE CHARGER WILL RESTART IF BATTERY BANK IS CHANGED .
	OUTPUT S/C	OUTPUT SHORT CIRCUITED, CHARGER SHUT DOWN .
	CHG. FAULT	INTERNAL HARDWARE PROBLEM ,CHARGER SHUT DOWN
	CHARGING CURRENT	LED BAR GRAPH FOR EASY UNDERSTANDING ( 2 – 20 AMP )
COOLING		FORCED COOLING
TEMPERATURE		0-55°C
HUMIDITY		0-95% RH (NON-CONDENSING)
DIMENSIONS(HXWXD)		350X430X250 (IN MM) ± 3MM
COLOUR		INDUSTRY SAFE COLOURS

