

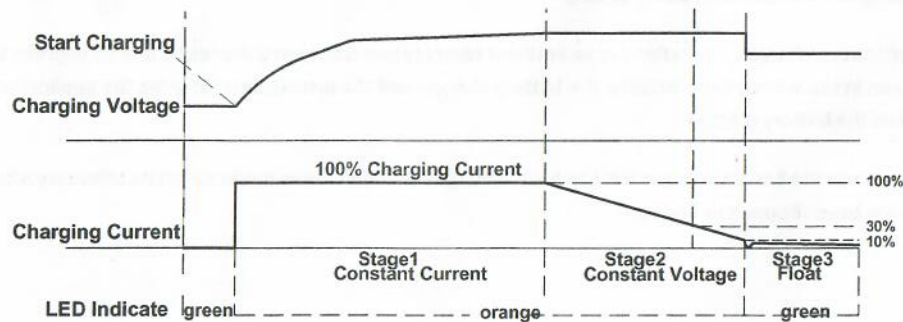
# NUMAX

## connect+forget

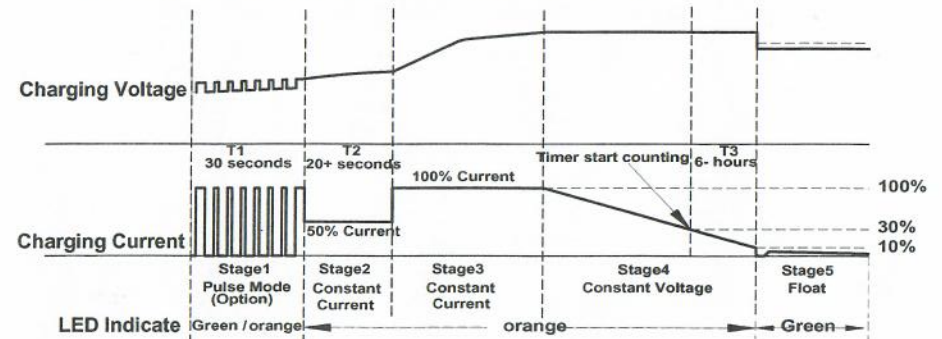
### Specifications

SPECIFICATIONS : MODEL NUMBER		120100M	120400...	121000...	122000HD
		120200...			123000HD
		(240200MOB)	(240400MOB)	(240700MOB)	(241200...)
OUTPUT	EQUILIZER CHARGE	14.7V +/- 0.2V (29.4V +/- 0.3V)			
	FLOAT CHARGE	13.7V +/- 0.2V (27.4V +/- 0.3V)			
	CURRENT (+/- 5%)	2A (1.2A)	6A (4A)	10A (7A)	20A (12A)
	WATTAGE	30W (35W)	88W (117W)	147W (206W)	294W (353W)
	CHARGING CURVE DIAGRAM	A	B	B	B
	EFFICIENCY	>85% (AT FULL LOAD)			
INPUT	VOLTAGE	100~240V AC WORLDWIDE RANGE			100~120V or 200~240V
	FREQUENCY	47~63Hz			
PROTECTION	BATTERY REVERSE	YES			
	SHORT CIRCUIT	YES			
	OVERLOAD	YES			
	COOLING FAN	N/A	SPEED CONTROLLED BY CHARGING STAGE		
MECHANICAL	DIMENSIONS (WxHxD)	70 x 40 x 117mm	70 x 48 x 155mm	103 x 50 x 167mm	118 x 58 x 190mm
	WEIGHT	0.35KGS	0.5KGS	0.9KGS	1.2KGS

CHARGING CURVE AND LED INDICATIONS CURVE—A



CHARGING CURVE AND LED INDICATIONS CURVE—B



# **NUMAX** *connect+forget*

## Operating Instructions.

### Charging Cycle

#### Bulk Charging

- Switch on the charger. The LED light will show RED to indicate that bulk charging is taking place.

#### Absorption Charging

- When the battery is 95% charged the LED light will flash RED/GREEN to indicate that the second stage of charging is taking place.

#### Float Charging

- When the battery is 100% charged the LED light will turn to GREEN to indicate that the battery is ready for use.
- The battery should be left connected until you next require to use your battery. A regulated trickle charge voltage of no more than 13.8 volts and less than 1 amp of current is given to maintain the battery at 100% of full operational capacity.
- The float charge will not boil or heat batteries but will maintain the battery charge at 100% readiness and will prevent cycling during long term inactivity.

### Usage

- If the battery is not removed from the application, make sure that the key or switch on the control panel is in the 'OFF' position.
- Connect the battery charger to the mains power supply. Do not turn on the mains supply.
- Connect the low voltage output of the battery charger either to a socket already hard-wired to the battery (one of these is provided in the box) or directly to the battery by means of the crocodile clips provided. If connected by means of croc. clips, first connect the RED grip to the positive terminal, then connect the BLACK grip to the negative terminal. Switch on at mains.
- To disconnect the battery charger, reverse the order of operation. After use, do not leave the battery charger disconnected from the mains and connected to the battery to prevent the battery from discharging.

### Safety

- Connect the battery charger to a mains power outlet which has the same voltage and frequency as that shown on the charger itself. The socket used must be efficient and safe.
- If extension cables are used these must have plugs complying with safety regulations.
- Place the battery charger in a stable, dry and clean location and prevent both charger and cable from coming into contact with water or dirt.
- Carry out re-charging operations at an ambient temperature between 0 degrees C and 38 degrees C, as shown in the instructions for using the battery charger and the instructions for using the application in which the battery is fitted.
- Do not use the battery charger if it has been damaged or if you are in doubt about its efficiency after having been dropped or knocked.