

# BETA BATTERY CHARGER RANGE

data sheet



#### **DESCRIPTION**

The Beta range of industrial battery chargers is suitable for charging many types of batteries including Sealed Lead Acid, Gel, Wet and Absorbent Glass Mat. The Beta battery charger is an 8-stage automatic charger, allowing the charger to be left permanently connected without harming the battery. It has a robust stell powder coated case designed for the industrial environments it is used in. The Beta charger range is designed to recharge batteries of 6V, 12V & 24V from 1-4A and can be supplied with an input voltage of 110V, 230V or dual 110/230V.

#### **SPECIFICATIONS**

Input voltages available: Dimensions

110V 230V 110-230V



### OUTPUT VOLTAGE, AMPS & BATTERY RANGES FOR DIFFERENT MODELS

MODEL	OUTPUT VOLTAGE	OUTPUT AMPS	BATTERY RANGE	WEIGHT (KG)
Beta 62	6V	2A	8-16 Ah	1.47
Beta 122	12V	2A	8-16 Ah	2.2
Beta 124	12V	4A	16-32 Ah	2.6
Beta 241	24V	1A	8-16 Ah	2.2
Beta 242	24V	2A	8-16Ah	2.6

#### MAIN FEATURES

- Charger type 8-stage fully automatic charging cycle
- 3 easy to read LED status indication
- Input voltages of 110V or 230V or dual voltage
- Output currents up to 8 Amps
- Proportional timing
- · Independent overrun timer
- Reverse polarity protection
- Output voltages of 6V, 12V & 24V
- Short circuit protection
- Soft start current control
- Crocodile clips fitted as standard
- IP20

#### **OPTIONAL FEATURES**

- Output connector options
- Set for various battery types including vented lead acid, sealed lead acid & gel or lead calcium
- Temperature compensation
- Dual voltage with manual switch
- Different colour cases available
- Multibank options available to charge more than one battery at once

#### TYPICAL MULTI-STEP CHARGE PROFILE

	Red Yellow Green	Time Commenced	Red Flash Rapid Twice / Sec	Red Yellow Alternate Flash (50% of nominal max current)	Solid Yellow (100% of nominal max current)	Yellow Flash (V hold as proportion of stage 5. Amps fall to nominal low)	Solid Green	Red Flash Slow On for 2 Secs Off for 1 sec (Error detection awaiting amendment)
Voltage	<b>0V</b>	0V	0V	Target 10.5V	Target 14.8V	Hold 14.8V	13.8V	0V
Current	0A	0A	0A	2A	4A	Low	Low	0V
	Self check RIG test	Fault - Power interupt detection	Unrecoverable excessive discharge	Deep discharge recovery to vlim 1	Bulk charge	Proportinal time charge	Float	Fault - Error detection
	1	2	3	4	5	6	7	8
Short cut to stage 6  2 min timeout  ———— Voltage ———— Current								

## BETA MULTIBANK BATTERY CHARGERS

Charge up to 5 batteries at once from a single 240V socket with the Beta 5 way multibank battery charger range, ideal for a busy workshops.



### **SPECIFICATIONS**

- Input voltage 110 or 230V AC or 110V/230V AC
- Dimensions 140 x 845 x 97mm

## OUTPUT VOLTAGE, AMPS & BATTERY RANGES FOR DIFFERENT MODELS

MODEL	OUTPUT VOLTAGE	OUTPUT AMPS	BATTERY RANGE	WEIGHT (KG)
Beta 62 x 5	6V	2A	8-16 Ah	9.2
Beta 122 x 5	12V	2A	8-16 Ah	9.8
Beta 124 x 5	12V	4A	16-32 Ah	11
Beta 242 x 5	24V	2A	8-16 Ah	11