Unit 111, Dunston Innovation Centre
Chesterfield, S41 8NG, U.K.
Tel: + 44 (0) 1246 452909
Fax: + 44 (0) 1246 452942
Web: www.etps.co.uk
Email: sales@etps.co.uk
Sales: 0800 612 95 75

BC-UBC

Universal Battery Charger

Description

The BC-UBC with multi-chemistry capability and the ability to charge & discharge (NiCd & NiMH only) batteries from a single cell to a 12 cell pack (1.2V to 14V) makes it the ideal unit for the workshop. The discharge function allows the recovery of lost capacity due to oxidisation, dendrite growth on NiCd & NiMH batteries

Suitable for charging NiCad, NiMH, lead acid, lead gel, lead-fleece & lithium-ion batteries

- Suitable for charging NiCd, NiMH, Li-Ion, Lead
- Discharge function for NiCd/NiMH batteries
- Selectable charging voltage & current
- LED indicators

Selectable Charging Currents

Part Number	Input Voltage	Input Power	Charging Current	Rated Output Voltage
BC-UBC	230VAC (50Hz)	Max. 30VA	150mA	1.2 - 14.4V
BC-UBC	230VAC (50Hz)	Max. 30VA	300mA	1.2 - 14.4V
BC-UBC	230VAC (50Hz)	Max. 30VA	500mA	1.2 - 14.4V
BC-UBC	230VAC (50Hz)	Max. 30VA	750mA	1.2 - 14.4V
BC-UBC	230VAC (50Hz)	Max. 30VA	1000mA	1.2 - 14.4V
BC-UBC	230VAC (50Hz)	Max. 30VA	1500mA	1.2 - 14.4V

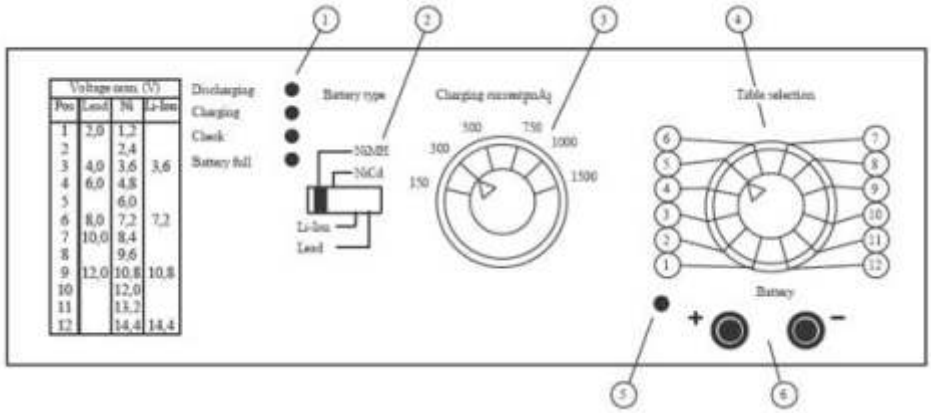
made for experts

sales@etps.co.uk
0800 612 95 75

BC-UBC

Universal Battery Charger

Operation



1	LED indicators provide information about the status of Discharging/Charging/Check & Battery full.
2	Pre-selection switch for the battery type (NiCd, NiMH, lead acid, lead gel, lead-fleece and Li-Ion).
3	Rotary selection switch for the charging current. Selection is made based on battery size (mAh).
4	Rotary selection switch for the number of cells. Selection is made depending on the respective battery type.
5	Button for the discharging function. If NiCd or NiMH batteries are selected then a defined discharging of 1V per cell takes place.
6	4mm lab sockets on the front side of the unit for connection of the batteries.

Technical Data

Technical Data	BC-UBC
Charging Output Connections	4mm lab sockets
Battery Type Selection	NiCd/NiMH/Lead/Li-Ion batteries
Charging Process (Lead/Li-Ion)	Constant current charging with concluding full charging at the voltage limit
Charging Process (NiCd/NiMH)	Constant current charging with concluding full charging at reduced current and V_{PEAK} capture
Selectable Cell Number (NiCd/NiMH batteries)	1 - 12
Selectable Cell Number (Lead batteries)	1 - 6
Selectable Cell Number (Li-Ion batteries)	1 - 4
LED Status Indicators	Discharging/Charging/Check/Battery full
Protection Class	II
Protection Type	IP20
Operating Temperature Range	0 °C to + 40 °C
Dimensions (W x H x D)	225 x 72 x 210mm
Weight	0.8kg
EMC Directive (89/336/EEC)	EN50082-1 :01.92, EN61000-3-3 :01.95, EN55022 :03.91, EN60555-2 :04.87
Low Voltage Directive (73/23/EEC)	EN61010-1 :04.93+A2 :07.95, EN61204 :01.95

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ET must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ET specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.