

BCH127

Workshop Fast Charger for Dual NiCd Batteries

1. FUNCTION

The BCH127 is a workshop charger, designed to do sequentially fast charge of 2 BPK124 or BPK 624 NiCd batteries, from a 12V DC power supply or a 110-240V AC power mains, and for discharge on one position.

2. DESCRIPTION

The charger has 2 positions (Pack1 and Pack2).

The indicators are:

- POWER (Red LED)
- PACK1 and PACK2 charge (Red in charge, Green when charged)
- Over/Under voltage and over/under temperature range red LED warnings.
- Discharge button and yellow indicator for Pack1

The power supply is done through an AC/DC adapter when supplied from the mains.



3. CHARACTERISTICS

Power supply:

12V DC power supply (10.8V to 15V) – (with 12V DC Cord).

AC mains : 110-240V, 50/60 Hz \pm 10%. (with AC/DC adapter).

Maximum consumption during charge at +25°C :1.35A at 12V DC or < 0.15A RMS for 230V AC

Fast charge:

Sequential for each battery at rate 0.65C.(1.3 A)

Typical time for one battery 1h45mn.

End of charge:

Detection of $-\Delta V / \Delta T$

Timer : 3h per battery

Discharge :

340 mA (C/6).

The charge starts automatically when the battery voltage is < 5.1V.

Operating temperature range : 0°C to + 40°C

Protections:

Red LED turn on if DC voltage out of tolerances

Red LED turn on if temperature out of the authorised range

Protection on the input DC for polarity by mechanical polarisation.

Protection against shortcut on input.

Colour : Black