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Hillstone - Portable Battery Chargers

HPBC Series 3000

- Portable
- Robust flight case
- Light weight
- Fully adjustable voltage and current range
- Lead Acid or Ni-cad battery charging
- Constant voltage or constant current
- Single cell to high voltage batteries
- Simple operation
- Digital LCD display for amps and volts
- Compact design
- Cables included



The Hillstone HPBC3000 series portable battery chargers are designed for site, off-shore or laboratory use with either lead acid or nickel cadmium batteries.

All chargers can be pre-set, using panel mounted controls, for constant voltage float charge or constant current boost charge. A digital display is provided for measurement of charger output current and voltage.

The units are ideally suited for commissioning new batteries on boost charge or as replacement chargers where failure of equipment has occurred.

The low voltage charger type HPBC3008-125 is suitable for single cell charging and can be pre-set to 2.27 volts for float charging of a lead acid cell on float or 2.7 volts for boost charging as required, with charge current adjustable up to 125 amps or as recommended by the battery manufacturer.

All units are constructed in a robust, shock resistant, flight case complete with carrying handles and cable pocket.

SPECIFICATION

Battery charger type ref	HPBC3008-125	HPBC3020-60	HPBC3060-20	HPBC3150-8
DC voltage range	0 - 8V	0 - 20V	0 - 60V	0-150V
DC currents range	0 - 125A	0 - 60A	0 - 20A	0 - 8A
Max power rating	1000W	1200W	1200W	1200W
Max. No. lead acid cells float (see note 1 & 3) boost	3 3	8 7	26 22	66 55
Max. No. ni-cad cells float (see note 2 & 4) boost	5 4	14 11	42 35	105 88
Standard mains supply	220-250V 8A 1 ph 47- 63 Hz	220-250V 9A 1 ph 47- 63 Hz	220-250V 9A 1 ph 47- 63 Hz	220-250V 9A 1 ph 47- 63 Hz
Case size	600 mm wide x 250 mm high x 650mm deep			
Weight (approx)	31 kgs	33 kgs	33 kgs	33 kgs
Digital Panel Display	LED large digit display for amps and volts			
Adjustment control	Individual panel mounted controls for amps and volts via 10 turn potentiometer.			
Mains input socket	three pin IEC socket			
Mains cable set	2 metre mains cable with IEC socket & UK 13A plug			
DC cable set	3 metre twin, flexible cable set with industrial plug / socket			
Flight case	Shock resistant inner frame with lockable catches			
Cooling	Fan assisted			
Environmental protection rating	IP20 indoor use			
Movement	Carrying handles			
Operating temperature range	0 to +45 deg C			
Storage temperature range	-20 to +70 deg C			

Notes

- 1) Float charge for lead acid cells is based on 2.27 volts per cell
- 2) Float charge for nickel cadmium cells is based on 1.42 volts per cell
- 3) Boost charge for lead acid cells is based on 2.7 volts per cell
- 4) Boost charge for nickel cadmium cells is based on 1.7 volts per cell
- 5) Optional mains supply must be specified with order.
- 6) Units are designed for indoor use only in a clean, dry and well ventilated environment.
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Optional extras

1. Alternative mains supply 100-132V, single phase 47-63 Hz
2. Extra length battery cables