

Power Peak Infinity 3 BID

No. 8429

POWER
180/50
Watt

An intelligent high-performance charge - discharge station of the latest generation, incorporating convenient battery management, for charging and discharging NC, NiMH, Lead-acid, Lithium and Lithium-Ion-Polymer batteries. The maximum cell count is 30 NC / NiMH cells and 12 LiPo cells, with a maximum charge current of 10 A (depending on cell count).

In addition to Charge, Discharge and Cycle modes, several different charge processes are available for the various battery types. For example, for you can choose between Normal, Linear and Reflex charge processes for NC / NiMH batteries.

The large, backlit graphic screen displays the essential parameters of the currently running process in numeric or graphic form, giving the user a clear basis for observing and checking the process. The set-up menus are navigated easily and conveniently using the 3-D hotkey, and the menu system can be set to any of the following languages: German, English, French, Italian or Spanish.

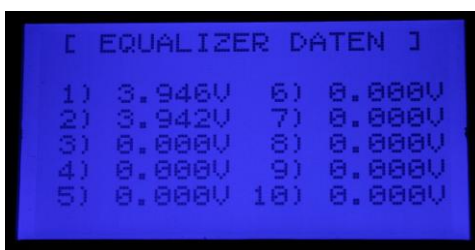
An important feature of the Infinity 3 is the innovative Battery Identification System (BID). The range of battery types in use is steadily growing wider, and each battery type requires its 'own' charge process. The revolutionary BID system provides an ingenious solution to this problem, and makes battery maintenance extremely simple and reliable.

For Lithium batteries the unit provides the CC-CV charge and charge cut-off process. It is also possible to display the individual cell voltages of the battery on the screen of the Infinity 3 in numeric or graphic form if you connect the TOP Equalizer (6S No. 8488 or 12S No. 8484) and Equalizer sensor.

An additional safety feature is the ability to monitor and display the temperature of a battery during the charge / discharge process. The user can set a particular temperature at which the process automatically terminates; the sensor required for this is supplied in the set.

If the interface lead, No. 8295, is used in conjunction with the integral PC interface, the battery data can be displayed in graphic and numeric form on a PC, and stored, analysed and printed out. The software required for this is the Donationware program 'Logview', which can be downloaded at no charge.

The charger features two independent charge outputs, intended for drive batteries and flight packs (OUT 1) and transmitter / receiver batteries (OUT 2).



Specification

Operating voltage:	11 V ... 15 V DC, (12 V lead-acid battery, or a high-performance mains PSU; do not use a car battery charger!
Output 'Out 1':	
Cell count:	1 ... 30 NC / NiMH cells 1 ... 12 Lithium-Polymer cells, 1 ... 6 and 12 Lead-acid cells
Charge current:	0.1 ... 10 A (depending on cell count)
Discharge current:	0.1 ... 5 A
Final discharge voltage:	0.1 ... 1.1 V per cell (NC / NiMH batteries) 2.5 ... 3.7 V per cell (LiPo batteries) 1.8 V per cell (Lead-acid batteries)
Trickle charge:	0 ... 500 mA, variable in 50 mA increments for NC / NiMH batteries, C/20 with BID ChipCharge termination:
NC / NiMH batteries:	Automatic, digital Delta-Peak system
Cut-off sensitivity:	5 ... 25 mV per cell, NC batteries 3 ... 15 mV per cell, NiMH batteries or ZERO peakLiPo /
Lead-acid batteries:	Automatic, using CC-CV process
Temperature cut-off:	10 ... 65°C, variable in 1°C increments
Capacity monitoring:	10 ... 150%, variable in 10% increments (NC / NiMH batteries) 10 ... 120%, variable in 10% increments (LiPo / Lead-acid batteries)
Output 'OUT 2':	
Cell count:	Charging of 1 - 8 NiCd / NiMH cells (automatic cell count detection)
Charge current:	0.1 - 2.0 A in 0.1 A increments, optionally manual or automatic, with Delta-Peak cut-off
Dimensions:	155 x 143 x 56 mm
Weight:	ca. 580 g