



The FreeCharge 12V™

Mobile phones, GPS, flashlights and lanterns need never fail when most needed. This portable, lightweight energy source for personal electronic products ensures that a recharge is never more than a wind away.

- Powered entirely by human energy
- Powers any device for which you have a cigarette lighter adaptor
- Independent of all conventional power supplies
- Standard cigarette lighter adaptor socket ensures compatibility for practically all mobile phones and personal electronic devices (iPod, GPS, PDA etc.) from obsolete older models to those yet to be released



www.freeplayenergy.com



Specification: FreeCharge 12V™

Ideal backup power supply for small electronic devices.

NAME

FreeCharge 12V™

PRODUCT DESCRIPTION

An ideal portable backup power supply for small electronic products. FreeCharge ensures that users will always be able to make that emergency call, get a GPS location fix, or just listen to a few more songs on an MP3 player.

POWER SOURCE

Power System:

AC alternator driven by the crank via a transmission. Dissimilar transmission materials provide improved gear meshing and wear characteristics.

Output:

Standard cigarette lighter socket
12V nominal, 14.2V regulated maximum (other customised outputs, eg with product specific parameters are available by special order).

The output current is generally determined by the recipient device specifications. If the device allows it, currents of up to 500mA are available if the FreeCharge is cranked energetically enough.

TYPICAL PERFORMANCE

Mobile Phones

For mobile phone applications talk time performance from the FreeCharge is influenced by several factors. These include phone make and model, network provider signal strength, handset battery condition, duration and effort of winding and the characteristics of the cigarette lighter adaptor used. It is recommended that a minimum of 3 minutes winding be applied before the phone is used. Generally, about three minutes of talk time per minute of winding is achievable.

DIMENSIONS

Height: 52mm
Width: 60mm
Length: 135mm
Weight: 310g

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