

G-BEC (Mobile platform UPS)

Robust, Intelligent mobile platform UPS system

A compact power solution providing an un-interruptable power supply to equipment installed in a mobile platform.

KEY FEATURES

- Protects vehicles own battery
- Auto-sensing input voltage cut-off
- Weighs less than 2Kg without batteries
- Works with any compatible rechargeable 2590 batteries
- Ruggedised unit
- Battery status LED
- Input charge status LED
- Provides two power outlets
- Remotely controlled



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Mission Critical Communications

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Robust, Intelligent mobile platform UPS system



OVERVIEW

The G-BEC, originally designed by GRC for use by UK MOD, is an intelligent power supply system that ensures your vehicle will always have sufficient battery voltage to power the ignition. It provides auxiliary power to the vehicle-fitted communication system via two power outlets while also protecting the vehicles own power supply.

The G-BEC is designed for use with two UBI-2590 rechargeable batteries.

When the vehicles engine is running, the G-BEC supplies power to the in-vehicle communication equipment, while being trickle charged from the vehicle battery. When ignition is cut the G-BEC unit will continue to draw charge from the vehicle battery until a predetermined voltage level is reached, at which point the G-BEC maintains power to the communications equipment; this ensures sufficient charge remains in the vehicles own battery to guarantee the engine will start.

The G-BEC battery status along with a charge indication is available via an LED display.

TECHNICAL SPECIFICATION

Output Supply

Transceiver Supply Output	Max 15v DC 20A (25A surge) Min 15v DC 1A
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Input Supply

Input Supply Range	9v to 36v DC
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(Charge) cut-off	12.5v +/- 0.2
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(charge) Restart	13.0v +/- 0.2
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Charge LED / Indicator LED	Red = No supply / charge supply auto cut off Green = Drawing charge
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Battery

Battery Status LED	Green = Good Amber = OK Red = Low Flashing Red = Empty / Unserviceable
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Power Connector	Customer defined
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Operations Specifications

Weight	1.7kg without batteries 4.5kg with batteries
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Maximum External Dimensions	(L) 292 x (W) 170 x (H) 77mm
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Back Panel Surface Dimensions	(L) 292 x (W) 56mm
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Mounting	Can be mounted vertically or horizontally
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Temperature Range	-20°C to +60°C
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Global Radiodata Communications Ltd

Head office: Wyevale Business Park, Wyevale Way, Hereford, HR4 7BS
Telephone: +44 (0) 1432 373800 Facsimile: +44 (0) 1432 373857
Email: info@grcltd.net www.grcltd.net

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