

POWERHEX

PLUG-N-PLAY
BACKUP POWER FOR
POWER FAILURES



The PowerHex is a mobile backup device delivering an elegant quality-of-life solution during loadshedding and other instances where the grid fails.

The PowerHex is ready to use immediately. Connect it to your device/s using the cables provided so that when the power fails, there is an instant, seamless switchover from mains power to battery power.

ECO-friendly and non-polluting.

No Fumes. No Fuel. No Fuss.



**IDEAL FOR
HOME AND
OFFICE**

Powers TV's, DSTV Decoders, M-Net Decoders, Lights, Alarm Systems, Laptop computers, DeskJet Printers, Radios, Hi-Fi Systems, Security Systems, Cash Registers, PABX systems, modems, hubs, routers, etc.

Powers a load of \pm 600W for one hour

2-Year Warranty

Model: PowerHex-G-1000W-B and PowerHex-G-1000W-W

HOW DOES IT WORK?

Plug the PowerHex into a wall plug with cable provided. Charge your battery via grid power.



Plug your loads into the AC socket.



Sample load only. Refer to Run Time table for your own load.

POWERHEX

Weight ±60kg
Dimensions 875mm x 420mm x 420mm

INVERTER

Model	CF1240L
Nominal voltage (VDC)	12V
Cont. Power @25°C (VA)	1200
Cont. Power @25°C (W)	1000
Cont. Power @ 40°C (W)	1000
Cosφ	0.9 - 1
Overload capacity	>110% 15 minutes >125% 1 minute >150% 20 seconds
Surge	300%
Output voltage (VAC)	230 / 110 ± 2%
Output frequency	50 / 60 Hz ± 0.1%
Efficiency (MAX)	89%
Bypass range (VAC)	UPS Mode 184 ~ 264 VAC / 88 ~ 127 VAC GEN Mode 173 ~ 276 VAC / 67 ~ 132 VAC Weak Grid Mode 167 264 VAC / 80 ~ 127 VAC
Crest factor	3:1
THD	<3%
Zero load power (W)	11/12 W
Zero load power (power save mode) W	2.5 / 3 W
Overload protection	auto disconnect with 3 times restart attempt
Shortcut protection	auto disconnect

CHARGER

Nominal output voltage (VDC)	12V
Max output current (A) - adjustable	40 / 20
AC input range (VAC)	195 264 VAC / 93.5 126.5 VAC
Battery Types	AGM / Gel / LFP / Flooded
Absorption time	Variable
Temperature compensation	-4mV / °C / cell
Slave charger	3 to 5 A float charge

RUNTIMES

Back-up time varies according to load and assumes fully-charged and new 12V 100Ah batteries and a 60% depth of discharge:

- 1000W for 30 Minutes
- 900W for 40 Minutes
- 800W for 45 Minutes
- 700W for 50 Minutes
- 600W for 1 Hour
- 500W for 1.15 Hours
- 400W for 1.30 Hours
- 300W for 2 Hours
- 200W for 3 Hours
- 150W for 4 Hours

Available in Black or White

