


Delivering power, **when you need it.**


PORTABLE BATTERY CHARGING EQUIPMENT

PCVHF>solutions


PCVHF | 48-110/90-50 | 24-110/50-20 | 24-110/90-50 |




Switch mode power supply.



Simple maintenance.




Recycling Options



Single phase input.




Utility and Grid installations.




Dependable, critical power when you need it.

Available systems options.




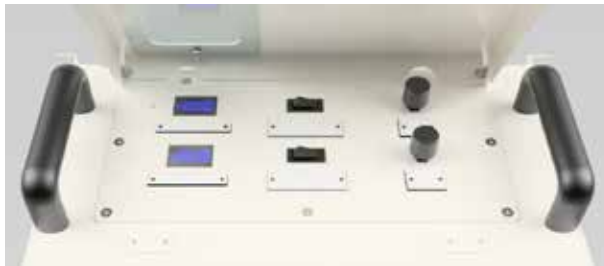
3 kW



7.2 kW



Opticool™ direct fan cooling.



Driving lower emissions.



Ready for standby power, emergency lighting or as a power supply.



Cost-effective lifetime solutions.


Product weights.

16 Kgs **26** Kgs

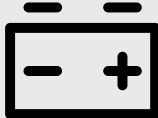


Bespoke Variations
Including chassis only, dual charger schemes, self-contained units with an integrated battery compartment and units including power distribution panels.

Output ranges



24>110VDC



Various battery technologies capability.

5
YEAR WARRANTY

Standard throughout our product range.

The images in this document are for illustration purposes only and may not accurately represent the product.

PORTABLE SOLUTIONS OVERVIEW

Although many organisations invest in fixed plant and equipment, some also recognise the benefits of additional portable temporary power solutions to add further peace of mind should things go wrong.

3kW EQUIPMENT OUTLINE

A truly portable 3kw battery charger suitable for both permanent installation and emergency temporary power provision.

The unit has been specially designed and optimised to provide the widest operational range in terms of voltage and current from a standard 13A single phase AC socket.

The unit is supplied with 4m AC and DC leads as standard and also comes with a foldable, detachable trolley for ease of movement.

At just 16kgs and with dimensions 400mm (W) x 273mm (D) x 513mm (H), it can be transported in the back of a car/small van and be handled by one person.

Clear, bright LED displays provide indication of the output current and voltage. Simple switches and potentiometers provide control over the system output settings.

AC input and DC output protection is provided by internal fusing and panel mounted MCB's. A blocking diode is also fitted to the output to protect against reverse battery connection.

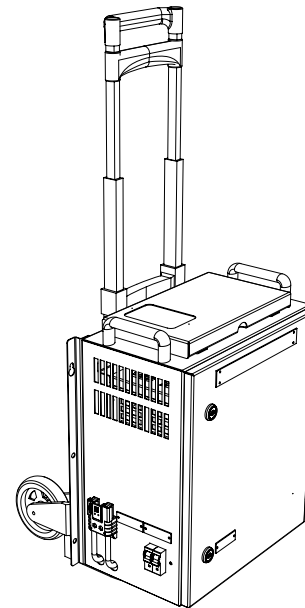
Multiple units can be operated in parallel to provide higher output characteristics.

OPTIONS

Portable alarm unit can be used in conjunction with the portable charger to provide SCADA/BMS/SCS support.

Delivering power, when you need it.

PE SYSTEMS
POWER PROTECTION SPECIALISTS



Electrical Input/output

AC Input	230v Single Phase 50Hz, Max input current Power Factor >0.98% Efficiency >88.0%
DC Output	Output voltage is continuously variable between 24-137.5v and limits the current to maintain 3kw. The upper and lower current limits are: 48-76v - current limit @90A 126-137.5v - current limit @50A

Control

AC input MCB, DC output MCB.
Voltage and Current Set/Actual switches.
Voltage and Current potentiometers.

Cooling

Technology	Forced air fan cooled at the rear of the enclosure.
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Mechanical

Dimensions	400mm (W) x 2730mm (D) x 513mm (H) + trolley handle height extends to 1000mm.
Weight	16kgs

Environment

0°C – 35°C IP20

Standards

EN61204-3:2000 (Emissions)
EN61204-3:2000 (Immunity) I
EC 60950-1 and EN 60950-1

Contact us for a free system survey and learn more about our products.

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For all our QHES Accreditations, please visit the website.

7.2kW EQUIPMENT OUTLINE

A truly portable 7.2kw battery charger suitable for both permanent installation and emergency temporary power provision.

The unit has been specially designed and optimised to provide the widest operational range in terms of voltage and current from a standard 32A single-phase industrial 3 pin socket.

The unit is supplied with 4m AC and 4m DC leads as standard and also comes with a foldable, detachable trolley for ease of movement. At just 26kgs and with dimensions 440mm (W) x 273mm (D) x 815mm (H), it can be transported in the back of a car or small van and be trolley manoeuvred by one person but needs lifting by two people.

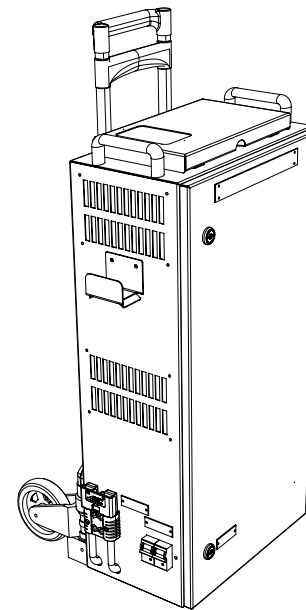
Clear, bright LED displays provide indication of the output current and voltage. Simple switches and potentiometers provide control over the system output settings.

AC input and DC output protection and isolation is provided by an AC input and DC output MCB's. A blocking diode is also fitted to the output to protect against reverse battery connection.

Multiple units can be operated in parallel to provide higher output requirements.

OPTIONS

Portable alarm unit can be used in conjunction with the portable charger to provide SCADA/BMS/SCS support for 48v and 110v nominal systems via our BM1 alarm unit.



Electrical Input/output

AC Input	230v Single Phase 50Hz, Max input current 32A Power Factor >0.98% Efficiency >88.0%
DC Output	Output voltage is continuously variable between 48 – 137.5v and limits the current to maintain a maximum 7.2kw input power. The upper and lower current limits are: 48 – 76v - current limit @90A 126 – 137.5v - current limit @50A

Control

AC input MCB, DC output MCB.
Voltage and Current Set/Actual switches.
Voltage and Current potentiometers (10T).

Cooling

Technology	Forced air heatsink fan cooling via the rear of the enclosure.
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Mechanical

Dimensions	440mm (W) x 273mm (D) x 815mm (H) + trolley handle height extends to 1000mm.
Weight	26kgs (wall mounted) 30.5kg with trolley.

Environment

0°C – 35°C Ambient, IP31

Standards

EN61204-3:2000 (Emissions)
EN61204-3:2000 (Immunity)
EC 60950-1 and EN 60950-1

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