Parksafe - Product Specification Sheet

48V to 24V DC Voltage Converter

This unit will convert a 48V Voltage feed on a Vehicle down to 24V DC to power a wide range of Accessories with a Power Rating up to 240W.
It is quick and easy to connect and Features Internal protection against over-current, transients and over-heating

PSBAT48V-FLT

Key Specification:

- Input voltage range: 48Vdc nominal (35V-55V)
- Output voltage: 27.2Vdc +/- 10%
- Continuous Current Rating: 27.2 output rated at 10A continuous
- Intermittent Current Rating: 27.2V output rated at 12A taken for a maximum of 2 minutes followed by 8 minutes rest.
- Output Noise: <50mV pk-pk

Additional Specification:

- Transient voltage protection: Meets ISO7637-2 International standard for 24Vdc commercial vehicles
- Electrostatic voltage protection: Meets ISO10605, ISO14892, >8kV contact, 15kV discharge
- Off load current (quiescent current): <30mA
- Power conversion efficiency Typically: 93%
- Operating temperature: -25ºC to +30ºC to meet this specification +30ºC to +80ºC de rate linearly to 0A
- Storage temperature: -25ºC to +100ºC
- Operating humidity: 95% max., non-condensing
- Case: Anodised Aluminium, glass filled polycarbonate, dust water and impact resistance to IP533
- Connections: Four 6.3mm push-on flat blade connectors
- Weight & Dimensions: Weight: 620g; 167(L), x 87(W), x 50(H) mm

Approvals & Certifications:

EMC, LVD, CE, UKCA

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24/09/2025

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Specification Sheet Number:

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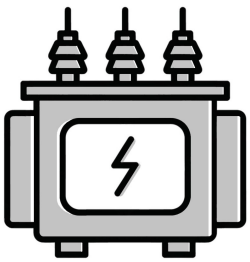
Version:

V1.0

Box Dimensions (WxDxH):

180mm x 90mm x 50mm



Box Contents:

Voltage Dropper; Blade Connectors (4), Fixing Screws (3)