In-Vehicle DC-DC Battery Charger

#DCC1225ACK-RP

www.intervolt.com



DESCRIPTION

12V 25A In-Vehicle DC-DC Battery Charger. Charges and maintaines any auxiliary battery in an installation where the starting battery is used as the supply source. Kit comes with Battery Charger, Remote Display and 4m Charger to Remote data cable.

TECHNICAL SPECIFICATIONS

Input Voltage	• Main: 9-16V DC • Solar: 18-28V OC (open circuit voltage - no load)
Solar Power	• Unrestricted (system limited to 25A)
Continuous Rating	• 25A @ 50°C (de-rate from 50°C to 85°C)
Current Draw	• Charging Device: In stand by: Inc. LED indicator <10mA At full load: Up to 35A • Remote Display: With backlight off: 10mA max With backlight on: 45mA max
Electrical Protection	• Over temperature disconnect – auto re-connect • Under Voltage shutdown – auto re-start • High Voltage disconnect – auto re-connect • Reverse polarity protection on all terminals
IP Rating	• Charging Device: IP67 (internal components only) • Remote Display: IP40 (not dust or water resistant)

Opt. Temperature	• -20°C to +85°C
Operating Humidity	• Up to 100% (non-condensing)
Charging Device Materials	• Heatsink: E-Coated ADC-3 die cast aluminium • Blue Plastics: 10% glass reinforced PC/ABS alloy • Black Plastics: 15% glass reinforced PBT • Transparent Plastics: Temperature resistant PMMA
Remote Display Materials	• Dark Grey Plastics: Temperature resistant PC/ABS alloy • Transparent Plastics: Temperature resistant PMMA
Termination	• Tin plated brass terminals, 304SS fasteners
Approvals	• AS/NZS CISPR 11:2004 for EMC
Dimensions	• Charging Device: 112mm x 112mm x 75mm (inc. terminal cover) • Remote Display: 60mm x 36mm x 59mm (inc. mounting bracket)
Weight	• Charging Device: 690 grams • Remote Display: 55 grams

Output Voltage

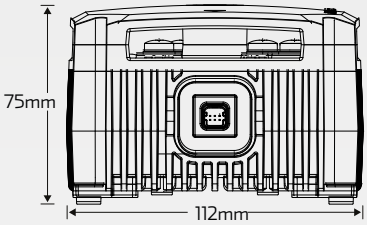
Battery Type	Boost /CC	Absorption /CC	Float /CV
Standard Lead Acid	14.5V DC	14.4V DC	13.4V DC
Absorbed Glass Mat	14.7V DC	14.6V DC	13.6V DC
Gelified Electrolyte	14.3V DC	14.2V DC	13.5V DC
Lead Calcium	14.9V DC	14.8V DC	13.8V DC
LiFePO4 BMS	14.6V DC	-	14.4V DC

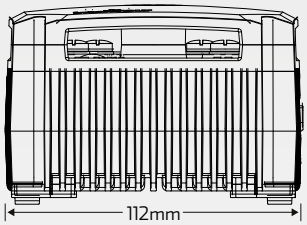
Part Numbers

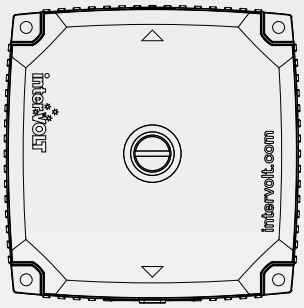
Part No.#	Description
DCC1225ACK-RP	• 25A In-vehicle DC-DC battery charger kit
DCC1225ACD-P	• 25A In-vehicle DC-DC battery charger
DCC0001ARD-P	• Remote display to suit DCC1225ACD-P
DCC4000CTR-P	• 4m data cable for DCC1225ACK-P to DCC0001ARD-P
DCC6000CTR-P	• 6m data cable for DCC1225ACK-P to DCC0001ARD-P
DCC9000CTR-P	• 9m data cable for DCC1225ACK-P to DCC0001ARD-P

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DCC1225ACD-P DIMENSIONS

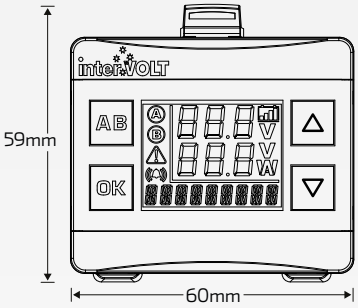


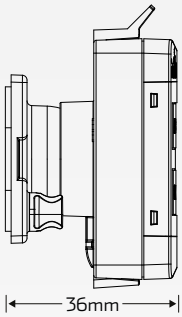


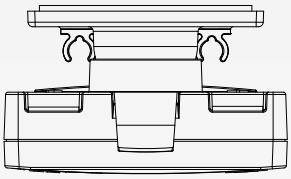


Footprint Mounting Centres:
95mm x 95mm

DCC0001ARD-P DIMENSIONS







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