

We broke the mould.

Battery to battery charging technology has been around for some time now. There are a number of products available that compare favourably, some good some not so good. Our goal from the outset was to design something better than the garden variety offerings so we created, what we believe to be, the most innovative in-vehicle battery charging system to ever hit the market.



Introducing the interVOLT DCC Pro:

The best in-class performance for a charger of this size The DCC Pro is a true 25 Amp charger, that is, 25 Amps at 50°C all day, every day. In addition the DCC Pro will continue charging at reduced output right up to 85°C!

Remote monitoring from the comfort of the driving seat The DCC Pro is kitted with an interactive, in-cabin display for remote monitoring of the auxiliary charging status from both main and solar power charging sources.

Solar ready – **no need for a separate regulator or relay** The DCC Pro is a complete MPPT solar charge controller capable of handling 250 Watts of power with up to 30% greater efficiency than a standard PWM regulator.

Under bonnet charging device is dust and water proof The DCC Pro is sealed to IP67 standard and is designed to be mounted in the engine bay or on the chassis itself. The DCC Pro can handle temporary submersion!

Capable of monitoring two chargers on a single display The DCC Pro Remote Display can accept and monitor two Individual Charging Devices at once! No need to purchase a second display when two auxiliary batteries are used.

www.intervolt.com



DCC Pro In-Vehicle DC-DC Battery Charger











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Part Numbers

DCC1225ACK-RP DCC1225ACD*	DCC Pro automotive charging kit includes * items Automotive Charging Device 12 Volts DC 25 Amps
DCC3000CTR	Data Cable 3 metres Charging Device to Remote Display
DCC4000CTR*	Data Cable 4 metres Charging Device to Remote Display
DCC6000CTR	Data Cable 6 metres Charging Device to Remote Display
DCC9000CTR	Data Cable 9 metres Charging Device to Remote Display

Specifications

Input Voltage	Main: 9 – 16 VDC Solar: 18 – 28 VOC (open circuit Voltage – no load)			
Solar Power Continuous Rating	Unrestricted (system limited to 25 Amps) 25 Amps@50°C (de-rate from 50°C to 85°C)			
Current Draw	Charging Device: In stand by: Including LED indicator <10mA At full load: Up to 35 Amps Remote Display: With backlight off: 10mA max With backlight on: 45mA max			
Output Voltage Standard Lead Acid Absorbed Glass Mat Gelified Electrolyte Lead Calcium LiFePO4 BMS	Boost/CCAbsorption/CV14.5 VDC14.4 VDC14.7 VDC14.6 VDC14.3 VDC14.2 VDC14.9 VDC14.8 VDC14.6 VDC—Voltage values subject to tolerance	Float/CV 13.4 VDC 13.6 VDC 13.5 VDC 13.8 VDC 14.4 VDC ± 0.1V		
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			
Environmental Protection Operating Temperature	Charging Device: IP67 (internal components only) Remote Display: IP40 (not dust or water resistant) -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			
Conformity	AS/NZS CISPR 11:2004 for El			
Dimensions	Charging Device: 112 x 112 x Remote Display: 60 x 36 x 59n	75mm (inc. terminal cover) nm (inc. mounting bracket)		
Weight	Charging Device: 690 grams Remote Display: 55 grams			

DCC Pro R2-0. Shifting things up...

In 2015 interVOLT launched the highly successful and innovative DCC Pro. In that time market needs have continued to evolve and so too has the DCC Pro.

This month interVOLT will release its updated version of the DCC Pro. This isn't a second generation as such, but rather a revision of the original design in keeping with the changing needs of today's in-vehicle dual battery systems.

Externally there are no physical differences between the original and revised DCC Pro. Both versions still feature the same dimensions and mounting footprint. This allows for easy retrofitting should there ever be a need to change out the charging device and display - upgrading to LiFePO4 batteries for example. Internally however upgrades have been made to both componentry and software to accommodate the changes and the all-new features added to the R2-0.

For more information on the key changes to the DCC Pro refer to the diagram below. Details can be found **here** or at our website **www.intervolt.com**.



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DCC



In-Vehicle DC-DC Battery Charger



The DCC Pro was developed for the purpose of charging and maintaining any auxiliary battery in an installation where the starting battery is used as the supply source. It has been designed for use in 4WDs, RVs, buses, coaches, caravans, campers or any vehicle with a 12VDC electrical system.

The DCC Pro is a standalone power conversion device. It will manage a variety of different battery types according to their specific charging requirements. As no modification to the vehicle's original wiring is required this ensures the manufacturer's electrical system is not compromised in any way.

The DCC Pro is a highly innovative product with many unique features. It has the flexibility to adapt to almost any vehicle, old or new, simple or complex with or without an ECU controlled electrical system and even allows the operator monitor the charging status from the comfort of the cabin!

Solar: 18 – 28 VOC (open circuit Voltage – no load)

Input Voltage

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Solar Power	Unrestricted (sys	Unrestricted (system limited to 25 Amps)		
Continuous Rating	25 Amps@50°C (25 Amps@50°C (de-rate from 50°C to 85°C)		
Current Draw	Charging Device: In stand by: Including LED indicator <10mA			
	At full load: Up to 35 Amps Remote Display: With backlight off: 10mA max With backlight on: 45mA max			
Output Voltage	Boost/CC	Absorption/CV	Float/CV	
Standard Lead Acid	14.5 VDC	14.4 VDC	13.4 VDC	
Absorbed Glass Mat	14.7 VDC	14.6 VDC	13.6 VDC	
Gelified Electrolyte	14.3 VDC	14.2 VDC	13.5 VDC	
Lead Calcium	14.9 VDC	14.8 VDC	13.8 VDC	
LiFePO4 BMS	14.6 VDC	-	14.4 VDC	
	Voltage values subje	ect to tolerance $\pm 0.1V$		
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			
Environmental Protection	Charging Device: IP67 (internal components only) Remote Display: IP40 (not dust or water resistant)			
Operating Temperature	-20°C to +85°C			
Operating Humidity	Up to 100% (nor	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			
Conformity	AS/NZS CISPR 11:2004 for EMC			
Dimensions	Charging Device Remote Display:	Charging Device: 112 x 112 x 75mm (inc. terminal cover) Remote Display: 60 x 36 x 59mm (inc. mounting bracket)		
Weight	Charging Device Remote Display:	: 690 grams 55 grams		

Main: 9 - 16 VDC

TECHNICAL DATASHEET



In-Vehicle DC-DC Battery Charger

Part Numbers

DCC1225ACK-RP DCC1225ACD* DCC0001ARD* DCC3000CTR DCC4000CTR* DCC6000CTR DCC9000CTR DCC Pro automotive charging kit includes * items Automotive Charging Device 12 Volts DC 25 Amps Automotive Remote Display complete with bracket Data Cable 3 metres Charging Device to Remote Display Data Cable 4 metres Charging Device to Remote Display Data Cable 6 metres Charging Device to Remote Display Data Cable 9 metres Charging Device to Remote Display









DCC Pro Remote Display

Length	Width	Height
60mm	36mm	59mm





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