



Specialists in Electrical Power Generation
& Battery Management Systems

ADVERC OSCA-P 12v-12v 12A. DC-DC 12v BATTERY CHARGER.

OSCA-P: DC-DC battery charger with an excellent track record and which has been adopted by many of the leading OEM's and the MOD.

No mains power is required. The 'recipient' battery takes its charge from the 'host' or 'donor' battery, when it is being charged from another source. The donor battery is protected from going flat and the recipient battery cannot be overcharged.

OSCA-P units are suitable for most applications, including Marine, Ambulances and RRV's.



FEATURES

- Over 90% efficient
- High temperature protection
- Overload protection
- Fast charging with float facility
- Compact Design
- Rugged
- Short circuit protection
- Easy to fit, c/w fuse box and wiring harness

SPECIFICATIONS

Parameter	Conditions	Value
Output Voltage (V-out)		14.0V ± 0.1V
Typical Output (Charging) Current	PVin = 13V	12A
Power Input Voltage (PVin)		11V to 14V
Control Input Voltage (CVin)	Charger Enabled	>13.3V
	Charger Disabled	<12.7V
Control Input Current		50µA
Battery Current Drain	Charger Disabled	250µA
Overload Protection		Yes
Thermal shutdown		Yes
Polarity Protection	External Fuses	Input = 15A Output = 15A
Connections	Flying leads	Red = Positive Input Black = Negative Input, Output and Control Blue = Positive Output Pink = Positive Control
Physical Dimensions		215 x 71 x 55mm
Mountings		4 x Ø 4.5mm Holes
Hole Centres		198 x 40mm

Note: If the input voltage is more than 15v the output voltage will rise above 14v and the battery could overcharge.

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