

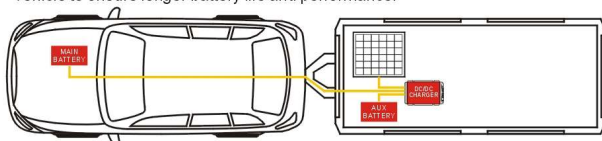
DSC

Dual Battery Manager DC-DC & MPPT SOLAR CHARGER

25 Amp, 4 Stage Automatic Switchmode

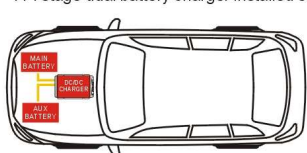
CARAVAN INSTALLATION

This 4 stage charger combines your solar energy with the power of your vehicle to ensure longer battery life and performance.



4WD INSTALLATION

A 4 stage dual battery charger installed on a bonnet holder



4 STAGE
DUAL BATTERY MANAGER
LiFePO4
25 AMP
12 VOLT



DSC1225



DSC1225A

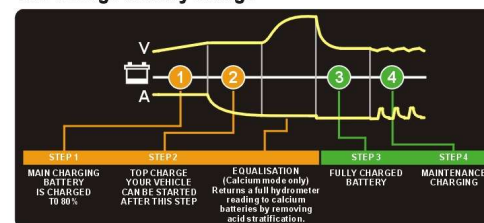


DSC

Dual Battery Manager DC-DC & MPPT SOLAR CHARGER

25 Amp, 4 Stage Automatic Switchmode

The 4-stage battery charge



25 Amp, 4 Stage Automatic Switchmode

SOLAR MPPT

The DC-DC & MPPT Solar charger utilises sophisticated MPPT (Maximum Power Point Tracking) solar regulator technology. MPPT maximises the power generated from the solar panels to the auxiliary battery.

25A SOLAR MPPT CONTROLLER

Simultaneous charging from both solar and alternator power sources

VSR/SMART ALTERNATOR

Suitable for traditional or intelligent alternator vehicle dual charging mode.

DUAL BATTERY MANAGER

The advanced electronic component management design converts the energy from the solar and vehicle alternator to a 4 stage charge, which fills the battery up to 100%. Deep cycle batteries for caravans and 4WD's for better results.

SPECIFICATIONS

Operating Conditions	
Charger model	DSC1225 / DSC1225A
Maximum Solar Input Voltage	23Vdc
Alternator Input Voltage	9-32Vdc
Maximum Input Current	40A
Input Current (No Load)	20mA
Efficiency	App.95%
Back Drain on Auxiliary Battery	10mA, +/-5%
External LED Output-Constant Current	4mA
Output Current	Input 9-11V DC: 20A
	Input 11-32V DC: 25A
Minimum Start Voltage (Battery)	2V
Input Fuse Rating	50A (Not supplied)
Output Fuse Rating	50A (Not supplied)
Maximum Output Power	368W
Solar Input Turn On Voltage	9V
Ambient temperature	-10°C to +80°C
	Output power is reduced automatically at high temperatures
Dimension (L×W×H)	150×120×40mm
Weight	1kg
Charge Control	
Charger type	4-step fully automatic charging

*Specifications are subjected to change without prior notice.

Bulk: 20A at 9-11V DC. 25A at 11-32V DC	*Constant Current up to:				
	GEL	AGM	WET	CALCIUM	LITHIUM
	14.1V	14.4V	14.7V	15.4V	14.4V
Absorption	Constant voltage until current drops to 3.8A				
	GEL	AGM	WET	CALCIUM	LITHIUM
	14.1V	14.4V	14.7V	15.4V	14.4V
Float	13.7V				13.3V
	Also with pulse feature				
Pulse	GEL:	12.6V- 14.1V, 25-2A			
	AGM:	12.6V- 14.4V, 25-2A			
	WEL:	12.6V- 14.7V, 25-2A			
	CALCIUM :	12.6V- 15.4V, 25-2A			
	LITHIUM :	12.6V- 14.4V, 25-2A			
Equalisation (Calcium mode only)	3.8A Constant Current Charge up to 16V then hold 1 hour (5 hours timeout)				
Battery Range					
Deep Cycle	75-300Ah				
Types of Batteries	All types of 12 V lead-acid batteries GEL, AGM, WET, Calcium, and Lithium				
Operating Model	12V Vehicle		24V Vehicle		
VSR Model-Default (Ignition Override Not Connected)	Turn on 13.4-20V	Turn off <12.8V	Turn on 26.8-32V	Turn off <25.6V	
Low Voltage Model- Ignition Override cable connected to ignition switch (Ignition on)	Turn on 12.2-20V	Turn off <11.9V	Turn on 24.4-32V	Turn off <24V	
Standards					
EMC	EN 61000, EN 55014 Class B				
IP Rating	IP67				