

**NEW**

# DX-25 DC TO DC CHARGER & MPPT SOLAR CONTROLLER

**VOLTECH** 

The **BENTON DX-25** 12 Volt 25 Amp is a fully automatic 6-Step In-Vehicle or Under-Bonnet DC to DC charger, designed to keep your auxiliary batteries fully charged to their optimum level whilst driving or with solar panels when vehicle is parked. The **DX-25** is rugged and also suitable for installation in marine applications. Includes **BENTON DX-M2** Remote/Display.

- Automatic Input Selection - Alternator or Solar
- 25 Amp charge current
- Smart Alternator suitable - (11-32V)
- Wide Operating PV Range - (15-41V)
- Fully automatic 6-Step intelligent switch-mode charging
- MPPT Solar controller - accepting 12V/18V/24V solar panels
- IP 67 for under bonnet use
- Charge setting for Gel, AGM, Calcium & Lithium batteries
- Temperature Compensation with Battery Sensor Cable included
- Patented Terminal Block for ease of multiple connections
- Battery Monitoring with INCLUDED **DX-M2** remote display
- Reverse Polarity, Over Voltage, Over Current & Over Temp. Protection
- Spark-Free Connection Protection
- 24 Month Warranty

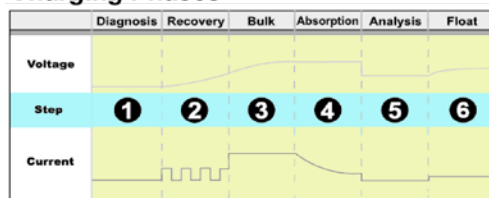
**IP67**  
waterproof  
for under bonnet use



**Included DX-M2  
Remote/Display**

Technical Info			
Input			
Alternator	11-32V		
Solar (PV)	15-41V		
Solar Input			
Low Voltage Disconnect	9V		
Low Voltage Reconnect	10V		
Over Voltage Disconnect	42V		
Over Voltage Reconnect	41V		
Alternator Input	12V	24V	Variable Alt. Input
Low Voltage Disconnect	12.6V	25.2V	11.5V
Low Voltage Reconnect	13.2V	26.4V	12V
Over Voltage Disconnect	16V	32V	32V
Over Voltage Reconnect	14.8V	29.6V	31V
Output			
Voltage	3-15V		
Current	25A		
Power	375W		
Operating Temp.	-20 to 85 °C		
Protection Class	IP67		
Standard	EN5011, AS/NZS CISPR11		
Dimensions (mm) (kg)	158x149x53 - 0.95kg		
Remote/Display (mm)	82x7x19		
Battery Type	Bulk Voltage	Float Voltage	
AGM/Gel	14.4V	13.6V	
Standard Wet	14.6V	13.6V	
Calcium	14.8V	13.6V	
Lithium-Ion	14.4V	13.6V	
Battery Temperature Compensation			
High Temperature	-17mV per °C above 30°C		
Low Temperature	+17mV per °C below 21°C		
Battery over-temp protection	50°C		

### Charging Phases



**IP67**   
**waterproof**  
**for under bonnet use**



The **BENTON DX-M2** is a monochrome, large LCD display battery monitoring device which communicates with the **BENTON DX-25** DC to DC Charger, and provides smart and precise status of your battery system and charger. By default setting user can selectively choose from 3 layouts. It displays critical information about the status of your auxiliary battery, **DX-25** charger, output current, output voltage and input voltage. Backlight intensity can be dimmed during night viewing or increased during day viewing. It can be fixed on any flat or smooth surface by screws or adhesive tape. With the swivel arm-mount users can set the unit at desired angle. Features auto standby for low power operation. It comes equipped with a 1.5m long unique data cable with Type C connector. All connections can withstand the roughest road conditions Australia has to offer.



**Included**  
**DX-M2 Remote/Display**

