




Technical Specifications

Model:	Part No. MMDCL20S
Type	Multistage
Input	DC Battery: 13-16V max. charging when start battery reaches 13V and stops charging below 12.5V, Smart Alternator Compatible Solar Input: 16-25V max. 300W starts charging @ 16V and stops charging below 12V
Output / Charging Voltage	14.4 - 15.4V
Output Current	DC Output: 20A Solar Output: 20A
Lithium-ion Wakeup function	No
Standby Current	<10mA
Charge Control	
Soft Start	YES
Soft Charge Current	8A
Supports Battery Type	Lead Acid, AGM, GEL, Calcium & Lithium Batteries LiFePO4 (LFP)
Bulk Charge Voltage	14.4V Lead Acid, 14.7V AGM / GEL, 15.4V Calcium, 14.4V LiFePO4 (LFP)
Absorption	Constant voltage with automatic amperage control
Equalisation	Automatic
Float Charge Voltage	13.5V Lead Acid, 13.5V AGM / GEL, 13.5V Calcium, N/A LiFePO4 (LFP)
Float Charge Current	500mA
Battery Range	60 to 600Ah
Additional Specs.	Operating Temperature -20°C to +80°C, Insulation Class IP33, No Fan and Low Noise
Cable Length / Twin Core	
0 - 1 Metres	10AWG / 5.25mm ²
1 - 5 Metres	8 AWG / 8.35mm ²
5 Metres +	6 AWG / 13.29mm ²

Note: Battery Manufacturers sometimes specify charging voltages. Not observing their charging instructions may void your battery warranty.

This diagram is for reference only. Local rules and regulations should be followed when installing this unit (If applicable).



-  6 AWG cross section is approx. 4mm diameter.
-  8 AWG cross section is approx. 3.2mm diameter.
-  10 AWG cross section is approx. 2.6mm diameter.



12V 20 AMP DC-DC CHARGER

