

# SMDC DC to DC Battery Charger With Mppt

30A/60A



Intelligent protection    Compatible with many battery type    Two/Three stage charge charging



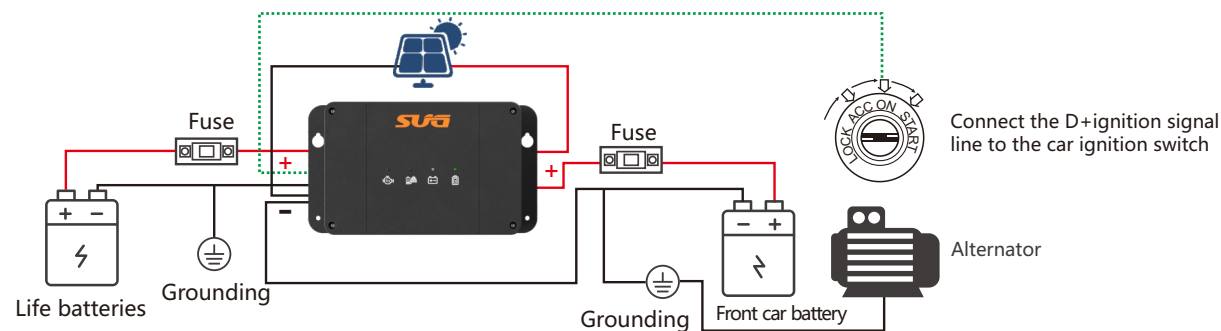
## Product Introduction

SMDC 30A/60A DC-to-Dc MPPT On-Board Battery Charger can charge a service battery in two different ways, The multi-stage charger can utilize connected solar panels or an alternator linked to a starting battery. While your vehicle's alternator prioritizes your starting battery, this unit will allow your solar system to charge your service battery first! it's the smart way to keep yourself fully charged and off-grid longer! with multi-stage charging and multi-chemistry functionality, DC-to-DC MPPT charger covered Flooded, Gel, AGM, and Lithium batteries.

## Product features

- ① Multi-chemistry battery types ( flooded, gel, AGM, and lithium)    ② 3-stage charging (bulk, absorption , and float)
- ③ Smart protection features ( battery isolation, over-voltage safety, overheat protection, and short circuit protection)
- ④ Overcomes voltage drop caused by long cable runs    ⑤ Able to charge an auxiliary battery to 100% state of charge
- ⑥ Increases run time of loads, such as fridges and lights    ⑦ Prolongs battery life

## Product Connection Diagram



## Product Parameters

Model	SMDC-30A	SMDC-60A
System Voltage	12Vdc	
Battery Voltage Range	9V to 16V DC	
Maximum Charging Current	30A	60A
Battery Type	SLA, Gel, FLD, Li, User-defined	
Auxiliary Battery Charging Mode	MPPT	
Charging Efficiency	Up to 97%	
Max. Solar Input Voltage	60V	60V
Max. Solar Input Power	400W	720W
Alternator Input Voltage	Traditional Alternator: 13.2V to 16V DC Smart Alternator (Euro 6): 12V to 16V DC	
Max.Alternator Input Power	400W	720W
Temp.Compensation Coefficient	-3mV/°C/2V	
Self-consumption	< 30mA	
Operating Temperature Range	-31°F to 149°F/-35°C to 65°C	
Storage Temperature Range	-40°F to 176°F/-40°C to 80°C	
Humidity Range	0% to 95%(NC)	
Dimensions	244*146*77mm	244*146*96mm
Weight	1.41 kg	1.86 kg
Terminal Size	M8*1.25-14 mm	
Communication Protocol	Rs485/CAN optional	
Grounding	Common Negative	
Certifications	CE; ROHS; FCC Part 15 Class B	