

SDC DC to DC Battery Charger

20A/30A/40A/60A



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



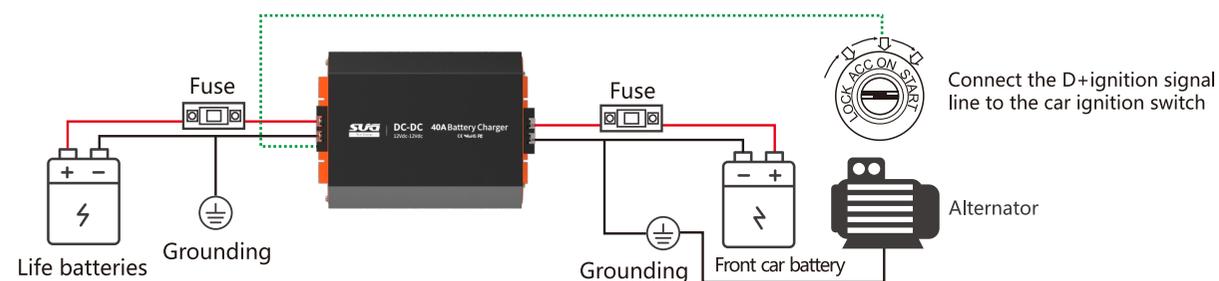
Product Introduction

SDC DC-DC charger, capable of maintaining auxiliary battery system charging throughout the journey. DC-DC battery charger is designed specifically for dual battery systems, ensuring reliable performance. The auxiliary battery system operates at peak efficiency for a longer period of time when disconnected from the power grid. When the engine is running, the DC-DC charger will safely charge the auxiliary battery pack. Supplements for RVs, ships, or any other off grid vehicles.

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	SDC-20A	SDC-30A	SDC-40A	SDC-60A
Nominal input Voltage	12V			
Input voltage range	8V~16V			
Charging current	20A	30A	40A	60A
Charging voltage	13.2V~14.7V			
Output	250W	360W	500W	750W
Efficiency up to	> 0.9			
Idle power Consumption	<0.4A			
Ambient humidity	≤95%Non-Condensing			
Residual ripple of Output voltage at Rated current	< 50 mVeff			
Ambient temperature For operation	-20°C~50°C			
Net dimension(LxWxH)	170*146*83mm	170*146*83mm	205*146*83mm	242*146*83mm
Outer box size(LxWxH)	765*240*425mm/10PCS	765*240*425mm/10PCS	765*270*425mm/10PCS	765*310*425mm/10PCS
NW. (kg)	1.19	1.19	1.55	1.9
GW.(kg)	1.5	1.5	1.81	2.15
Certification	CE/FCC/ROHS			
Protective function Specifications				
Protections	High-voltage,low-voltage,high-temperature,short-circuit			
Low voltage cut of	8V			
low voltage restart	10V			
High-voltage shutdown	16V			
High voltage restart	15.5V			