

SDC DC to DC Dual Battery Charger

1212-120A/1224-60A
1224-12-120A/1224-24-60A



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



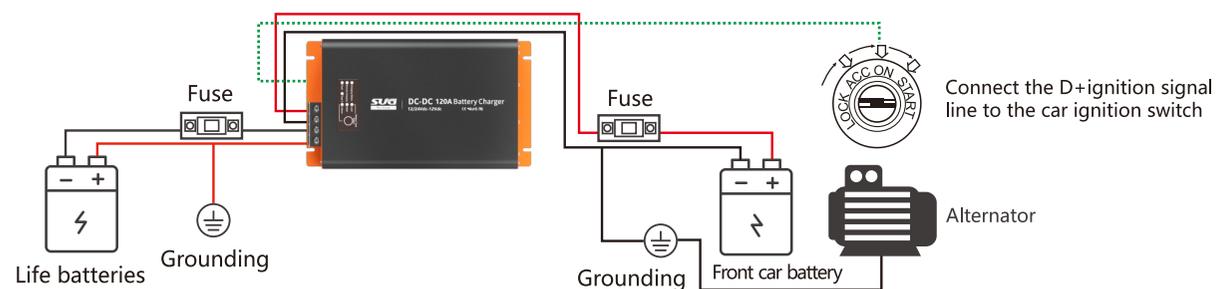
Product Introduction

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	SDC1212-120A	SDC1224-60A	SDC-1224-12-120A	SDC-1224-24-60A
Nominal input Voltage	12V	12V	12V/24V	12V/24V
Input voltage range	8V~16V		8V~16V/16V~32V	
Charging current	120A	60A	120A	60A
Charging voltage	13.2V~14.7V	26.4V~29.4V	13.2V~14.7V	26.4V~29.4V
Output	1540W	1540W	1540W	1540W
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)	270*130*73mm			
Outer box size(LxWxH)	273*133*76mm			
NW. (kg)	1.8			
GW.(kg)	2.3			
Certification	CE FCC ROHS			
Protective function Specifications				
Protections	High-voltage,low-voltage,high-temperature,short-circuit			
Low voltage cut of	8V			8V/16V
low voltage restart	10V			10V/20V
High-voltage shutdown	16V			16V/32V
High voltage restart	15.5V			15.5V/31V