



SGCS Lithium Battery Substituted Lead

12.8V100Ah, 12.8V200Ah, 12.8V280Ah



Main Features

-  12V LiFePO4 pack, safe and reliable.
-  Class A cell, Strong and reliable quality.
-  Max discharge current up to 150A, suitable for inverter or ups system
-  Long life design, cells cycle time up to 3000times, 5+ life design.
-  With smart BMS system for all around protection.
-  High density, small size and weight .
-  Plastic case, ideal choice for lead acid battery replacement
-  Support in series or parallel connection.
-  Optional for bluetooth monitor.

We can provide a variety of lithium battery solutions according to your needs

Model	SGCS-12100	SGCS-12200	SGCS-12280
Usable Capacity	1.28KWH	2.56KWh	3.584KWh
BatteryType	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	12.8	12.8	12.8
Voltage Range	11-14.4	11-14.4	11-14.4
Recommend Charge Cut-off Voltage	14.4	14.4	14.4
Recommend Discharge Cut-off Voltage	11	11	11
MAX. Charge & Discharge Current	100A @120S	100A @120S	150A @120S
Recommend Charge& Discharge Current	80A	80A	120A
MAX.Output Power	1280W	1280W	1920W
Recommend Output Power	≤1024W	≤1024W	≤1536W
DOD	≥95%	≥95%	≥95%
Modules Connection	4 in series	4 in series	4 in series
Communication	WIFI&BT	WIFI&BT	WIFI&BT
Ingress Protection	IP20	IP20	IP20
Cycle Life	≥3000@25°C, 70%DOD	≥3000@25°C, 70%DOD	≥3000@25°C, 70%DOD
Working Temperature Range	Discharge.-20°C to +60°C Charge.+0°C to +55°C	Discharge.-20°C to +60°C Charge.+0°C to +55°C	Discharge.-20°C to +60°C Charge.+0°C to +55°C
Net Weight(KG)	10.92	17.88	23.5
Gross Weight(KG)	11.62	18.68	24.3
Product Dimension(MM)	327*190*223	384*194*248	384*194*248
Package Dimension(MM)	380*248*279	443*265*330	443*265*330