



LEAD-ACID REPLACEMENT SERIES

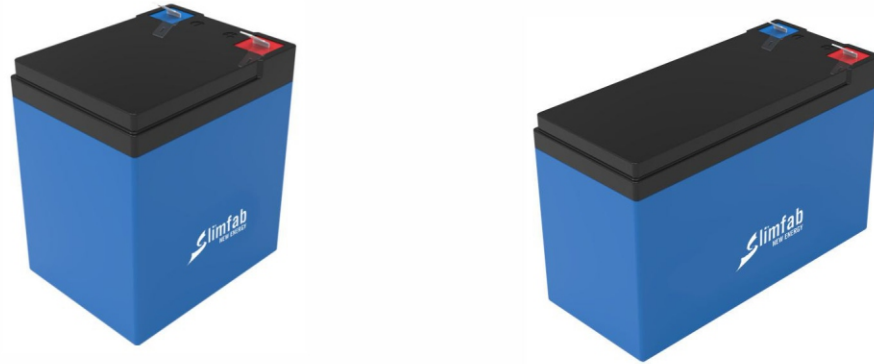
Application: Backup power for lawn and garden tools, parking lot, garage, warehouse automatic door power supply, home, car, marine backup power supply, PV/wind hybrid system, photovoltaic 12V, 24V, 48V on & off grid energy storage applications, base station energy storage, electric wheelchairs, skateboards Carts, golf carts, air conditioning power supplies, etc

Features: The first domestic full-series replacement of 12V lead-acid battery product, which can support series connection and parallel connection. It is a perfect replacement for various household and industrial applications of lead-acid batteries. The discharge curve is flat, and the capacity utilization rate can be maintained at 90% at 12V compare with only 50% of the lead-acid battery; the weight is only 1/3 of the lead-acid battery with the same specifications; It has more than 2000-5000 times of cycles and 5-10 years of life, with super cost-effective than various lead-acid batteries. The color of the shell can be customized.

Lead-acid replacement series

S12-06\S12-08

- ⚡ Flat discharge curve
- ⚖ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-06	S12-08
Nominal voltage	12.8V	
Nominal capacity	6Ah	8Ah
Nominal power	76.8Wh	102.4Wh
Assembly method	4S1P	4S2P
Battery pack Series/Parallel usage	Singly use	
Size (mm)	101*90*70	151*65*94
Weight(kgs)	1.1	2.2
Standard charging current	2A	
Recommend charging current	≤6A	
Peak current	20A,10Sec	
Load power	≤80W	
Output terminal	T2	
Internal resistance	≤150mΩ	
Warranty	24 months	

Lead-acid replacement series

S12-10\S12-12

- ⚡ Flat discharge curve
- ⚖ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-10	S12-12
Nominal voltage	12.8V	
Nominal capacity	10Ah	12Ah
Nominal power	128Wh	153.6Wh
Assembly method	4S2P	4S2P
Battery pack Series/Parallel usage	Singly use	
Size (mm)	151*65*94	151*99*94
Weight(kgs)	2.3	2.6
Standard charging current	2A	3A
Recommend charging current	≤6A	≤12A
Peak current	20A,10Sec	30A,10Sec
Load power	≤130W	≤160W
Output terminal	T2	
Internal resistance	≤100mΩ	
Warranty	24 months	

Lead-acid replacement series

S12-18\S12-20

- ⚡ Flat discharge curve
- ⚖ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-18	S12-20
Nominal voltage	12.8V	
Nominal capacity	18Ah	20Ah
Nominal power	230.4Wh	256Wh
Assembly method	4S3P	4S4P
Battery pack Series/Parallel usage	Singly use	
Size (mm)	181*77*170	181*77*170
Weight(kgs)	2.6	3.3
Standard charging current	4A	
Recommend charging current	≤20A	
Peak current	30A,10Sec	
Load power	≤235W	≤260W
Output terminal	M5	
Internal resistance	≤80mΩ	
Warranty	24 months	

Lead-acid replacement series

S12-36\S12-50

- ⚡ Flat discharge curve
- ⚖ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-36	S12-50
Nominal voltage	12.8V	
Nominal capacity	36Ah	50Ah
Nominal power	460.8Wh	640Wh
Assembly method	4S6P	4S1P
Battery pack Series/Parallel usage	Singly use	use in singly series or parallel
Size (mm)	198*166*170	229*138*208
Weight(kgs)	4.8	6
Standard charging current	6A	10A
Recommend charging current	≤30A	≤25A
Peak current	50A,10Sec	100A,10Sec
Load power	≤465W	≤640W
Output terminal	M6	
Internal resistance	≤70mΩ	60mΩ
Warranty	24 months	

Lead-acid replacement series

S12-80\S12-100

- ⚡ Flat discharge curve
- ⚖️ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-80	S12-100
Nominal voltage	12.8V	
Nominal capacity	80Ah	100Ah
Nominal power	1024Wh	1280Wh
Assembly method	4S1P/4S2P	4S2P
Battery pack Series/Parallel usage	use in singly series or parallel	
Size (mm)	307*169*208	330*173*220
Weight(kgs)	12	12.5
Standard charging current	10A	20A
Recommend charging current	≤25A	≤50A
Peak current	100A,10Sec	150A,10Sec
Load power	≤640W	≤1280W
Output terminal	M6	M8
Internal resistance	≤60mΩ	≤40mΩ
Warranty	24 months	

Lead-acid replacement series

S12-170\S12-200

- ⚡ Flat discharge curve
- ⚖️ 1/3 weight of same specification lead acid battery
- 🕒 Long lifespan



Model	S12-170	S12-200
Nominal voltage	12.8V	
Nominal capacity	170Ah	200Ah
Nominal power	2176Wh	2560Wh
Assembly method	4S1P	4S1P/4S4P
Battery pack Series/Parallel usage	use in singly series or parallel	
Size (mm)	520*240*218	
Weight(kgs)	28	
Standard charging current	40A	
Recommend charging current	≤50A	
Peak current	200A,10Sec	
Load power	≤1280W	
Output terminal	M8	
Internal resistance	≤40mΩ	
Warranty	24 months	

Lead-acid replacement series

S12-400\S24-100\S24-200

- Flat discharge curve
- 1/3 weight of same specification lead acid battery
- Long lifespan



Model	S12-400	S24-100	S24-200
Nominal voltage	12.8V	25.6V	25.6V
Nominal capacity	400Ah	100Ah	200Ah
Nominal power	5120Wh	1280Wh	1280Wh
Assembly method	4S2P	8S2P	8S2P
Battery pack Series Parallel usage	use in singly series or parallel		
Size (mm)	520*269*220	520*240*218	520*269*220
Weight(kgs)	45	28	45
Standard charging current	40A		
Recommend charging current	≤50A		
Peak current	250A,10Sec		
Load power	≤1280W		
Output terminal	M8		
Internal resistance	≤40mΩ		
Warranty	24 months		

