



LEAD ACID REPLACEMENT

Main Features

Standard VRLA battery case, can replace VRLA battery directly

Long life design, cells cycle time up to 3000times

Brand cell such as REPT

With smart BMS system for all around protection

High density, small size and weight

Support in series or parallel connection

Optional for bluetooth monitor and display



Model	SY12-6	SY12-12	SY12-24	SY12-36	SY12-42	SY12-50	SY12-100	SY12-150	SY12-200	SY24-100	SY24-200
Battery Type	LiFePO4										
Battery Model	12.8V6AH	12.8V12AH	12.8V24AH	12.8V36AH	12.8V42AH	12.8V50AH	12.8V100AH	12.8V150AH	12.8V200AH	25.6V100AH	25.6V200AH
Capacity(25°C, 0.2C)	76WH	153WH	307WH	460WH	537WH	640WH	1280WH	1920WH	2560WH	2560WH	5120WH
Voltage Window (Vdc)	11.2~14.6V									22.4~29.2V	
Folat Charge Voltage(Vdc)	13.8V									27.6V	
Max.continue discharge current	6A	12A	24A	36A	42A	50A	100A	150A	200A	100A	200A
Max.continue charge current	3A	6A	12A	18A	21A	25A	50A	75A	100A	50A	100A
Cycle life(+25°C 0.2C 80% DoD)	>3000 Cycles										
Terminal	F2	F2	M5	M6	M6	M6	M8	M8	M8	M8	M8
Storage temperature	0°C~30°C										
Storage duration	6 months at 25°C										
Safety standard	UN38.3,MSDS,CE										
IP degree	Ip65										
PROTECTION											
Protection	Overcharge protection, Overdischarge protection, Overcurrent protection, Shortcircuit protection, Overtemperature protection										
MBIENT											
Working Temperature	-10°C~+50°C										
Humidity	0~95% (no condensation)										
Sea Level(m)	≤1500										
DIMENSION											
L×W×H mm	151x65x100	151x98x100	181x77x167	65x125x175	198x167x170	229x138x213	330x172x215	330x172x215	522x238x222	522x238x222	522x238x222
Weight(NW Kg)	1	1.5	3	4	5	7	11	16	19.5	21	37