

Battery Product



S-Series

- Optimal cost performance
- 4000+Cycles life @80%DOD
- Support multiple series or parallel connections
- Standard design, mature and stable
- Twice the energy density of a lead-acid battery
- Integrated intelligent BMS

Model	R-S12100A	R-S12200A	R-S12300A
Nominal voltage	12.8V	12.8V	12.8V
Nominal energy@0.2C	1280Wh	2560Wh	3840Wh
Nominal capacity@0.2C	100Ah	200Ah	300Ah
Internal resistance@1khz AC	≤30mΩ	≤30mΩ	≤30mΩ
Allowed MAX. charge current	100A @25°C	200A @25°C	200A @25°C
Allowed MAX. discharge current	100A @25°C	200A @25°C	200A @25°C
Recommend charge current	50A	100A	150A
Recommend discharge current	50A	100A	100A
Peak/Surge current limit	350A@3s	500A@3s	500A@3s
Short circuit protection	500A@500μs	800A@500μs	800A@500μs
Charge voltage	14.2V		
Floating voltage	13.8V		
End of discharge	11.2V		
IP rating	IP54		
Cycle life	≥4000 cycles, @25°C, @0.2C, @80%DOD		
Weight	≈11.3kg (24.9 lbs)	≈25.0kg (55.1 lbs)	≈35.5kg (78.3 lbs)
Dimensions(W*H*D)	307*168*211mm (12.0*6.6*8.3 inch)	484*170*241mm (19.0*6.7*9.5 inch)	520*268*211mm (20.4*10.5*8.3 inch)
Parallel and series connection	Support Max. 4 in series or Max.4 in parallel		
Terminal and torque	M8 8-10N·M		
Operation altitude	<3000m		
Operation temperature	Charge0~45°C (32°F~113°F), Discharge-20~60°C(-4°F~140°F)		
Self-discharge rate(shutdown)	≤3% Per month		
Recommended storage temperature	-10°C~40°C (14°F~104°F)		
Recommended humidity	5~85%RH		
Certifications	Pack: UN38.3, RoHS, CE Cell: UN38.3, IEC		

*This product picture is for reference only