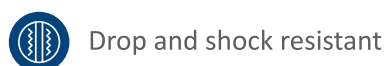
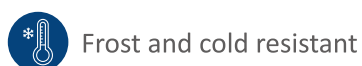
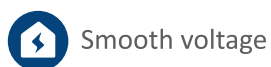
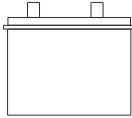
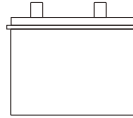


# AUTO START BATTERY

## SH4s1p-12V 100Ah LFP battery

Lithium Iron Phosphate LiFePO4 Battery



Technical Data		SH4s1p-100Ah (Japanese series)	SH4s1p-100Ah (European series)
			
<b>Performance parameters</b>		Specification	
Nominal Voltage		12.8V	12.8V
Nominal Capacity		100Ah	100Ah
Energy		1280Wh	1280Wh
Internal Resistance		≤30mΩ	≤30mΩ
Cycle Life		≥4000 cycles @1C 100%DOD	≥4000 cycles @1C 100%DOD
Months Self Discharge		<3%	<3%
Efficiency of Charge		100% @0.5C	100% @0.5C
Efficiency of Discharge		96~99% @1C	96~99% @1C
<b>Standard Charge</b>			
Charge Voltage		14.6±0.2V	14.6±0.2V
Charge Mode		0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charge Current		20A	20A
Battery Charging Time		about 3h	about 3h
<b>Standard Discharge</b>			
Charge Cut-off voltage		10V±0.2V	10V±0.2V
Max Continuous discharge Current		100A	100A
Max. Cranking Amps		1000A	1000A
<b>Environmental</b>			
High cold cranking Amps		1000 CCA (-20 °C)	1000 CCA (-20 °C)
Charge Temperature		0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity	
Discharge Temperature		-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity	
Storage Temperature		0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity	
<b>Mechanical</b>			
Water Dust Resistant		IP65	IP30
Cell & Method		3.2V100AH-4S1P	3.2V100AH-4S1P
Plastic Case		ABS	Plastic case
Dimensions (in./mm.)		230*175*162/215mm	355*175*190mm
Weight (lbs./kg.)		12kg	12kg
BMS		Smart BMS 4S100A	

1: Test conditions:25 °C, 100 % depth of discharge (DOD), 0.2C charge&discharge  
 2: Refer to battery warranty letter for conditional application