

ELECTRICAL CHARACTERISTICS	
Nominal Voltage	51.12V
Nominal Capacity	105Ah
Energy	5376Wh
Resistance	≤20mΩ
Self Discharge	<3% / Month
Cell configuration	Prismatic Cell LF105
CHARGE PERFORMANCE	
Maximum Charge Current	100A
Charge Voltage	57.6V-58.4V
DISCHARGE PERFORMANCE	
Continuous Current	180A
Max. Pulse Current	500A (3S)
Disc. Cut-Off Voltage	43.2V
TEMPERATURE PERFORMANCE	
Charge Temperature	0°C to 45°C (32F to 113F)
Discharge Temperature	-20°C to 60°C (-4F to 140F)
MECHANICAL PERFORMANCE	
Dimension (L x W x H)	331 x 344 x 258 mm
Weight	44.8kg
Case Material	Metal Case
Cycle Life	>3000 cycles @ 1C 80% DOD
Series Connect	Can not connect in series
Parallel Connect	Max. 4 batteries connected
COMPLIANCE	
Shipping Classifications	UN3480, CLASS 9
MAINTENANCE	
Routine Charging	Charge and discharge every 3 months
Storage Temperature	-5°C to 35°C (23F to 95F)



Features Bluetooth App  
for IOS and Android!

### Check Out This Product Online



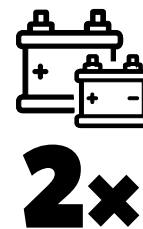
#### Longer Life Cycle

Up to 20 times more cycle life and five times the float /calendar life than lead acid batteries, minimizing replacement cost and reducing total cost of ownership.



#### Light Weight

About 40% of the weight of a comparable lead acid battery. Footprints offer a 'drop in' replacement for lead acid batteries.

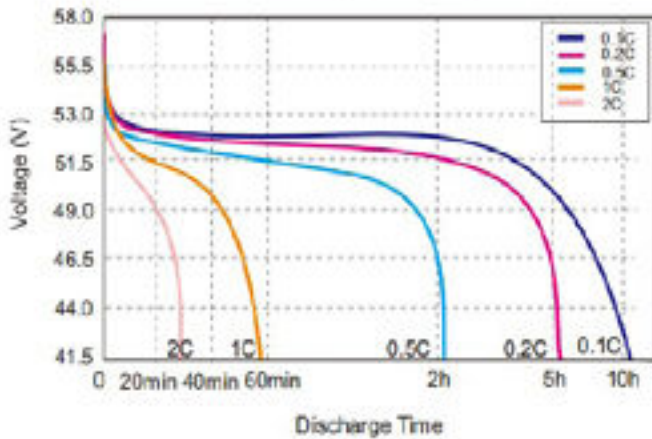


#### Higher Power

Delivers up to twice the power of lead acid battery at high discharge rates while maintaining high energy capacity.

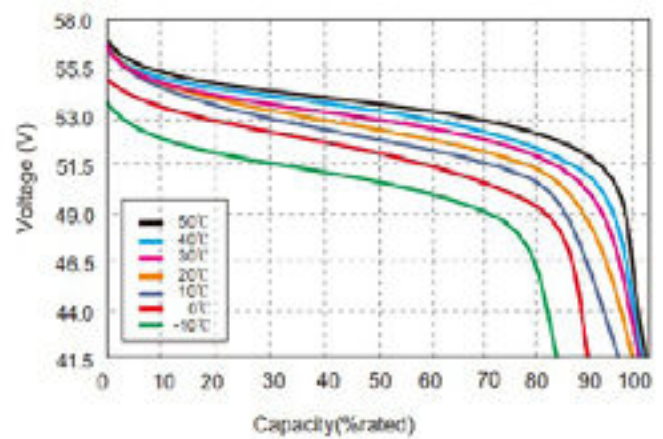
## Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



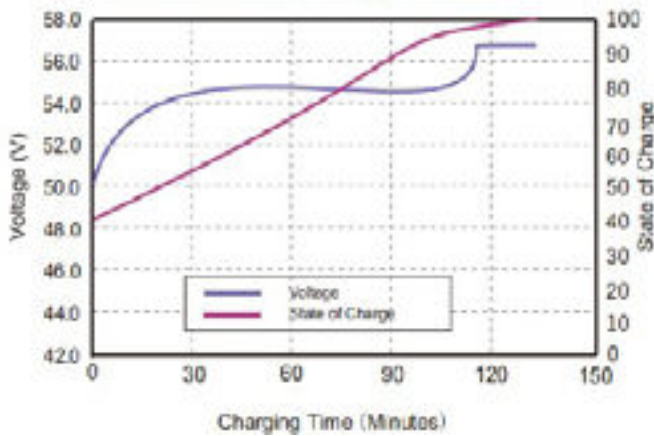
## Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



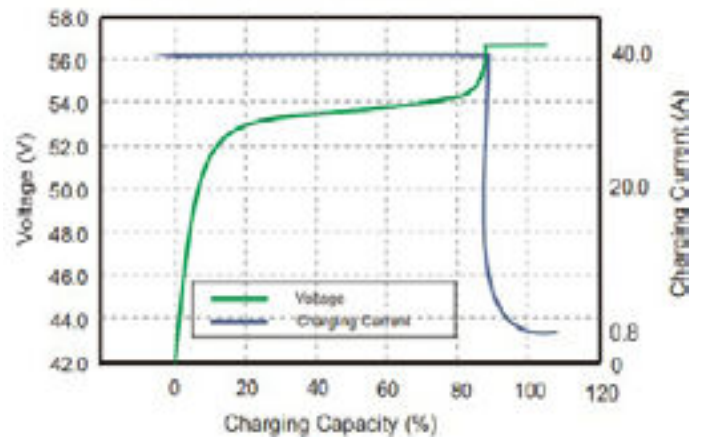
## State of Charge Curve

State of Charge Curve @0.5C 25°C



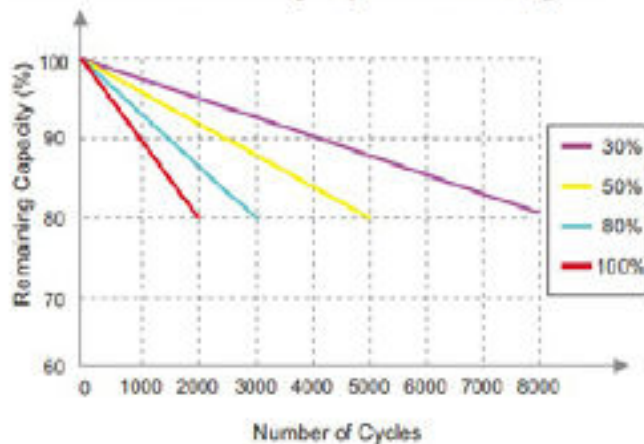
## Charging Characteristics

Charging Characteristics @0.5C 25°C



## Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



## Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

