



Smart Power 12V100Ah

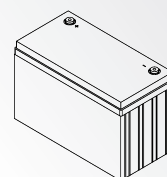
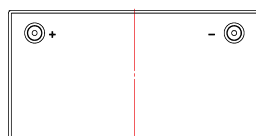
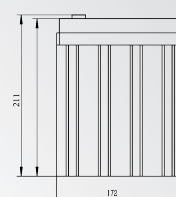
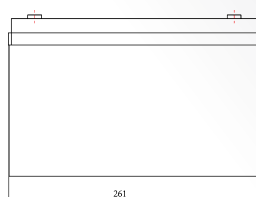
RZE-12100LI-S

Benefits

- Increased energy in given space
- Easy installation
- Maintenance-free
- High operational reliability
- Excellent long life time
- Preventive but not premature replacement at end of life

Standards

- IEC 60950
- IEC 62321
- IEC 62133
- UN38.3
- UL1642
- Passed ISO9001/ISO1001/ISO45001 certification



Specifications

Nominal Characteristics		RZE-12100LI-S
Nominal Voltage		12.8V
Typical Capacity		100Ah(0.2C, 25°C)
Typical Energy		1280 Wh
Volumetric Energy Density		135.1Wh/dm ³
Gravimetric Energy Density		116.36 Wh/kg
Dimensions	Width	260mm
	Height	210mm
	Depth	170mm
Typical Weight		10Kg
Electrical Characteristics		
Voltage Window		10.8~14.4V
Charge Voltage Range		14.0~14.4V
Max. Permanent Discharge Current		100A
Max. Permanent Charge Current		150A
Faradic Charge Efficiency		99% (+20°C)
Energy Charge Efficiency		94% (+20°C)
Terminal		M8
Additional Features (optional feature)		--
Operation Environment		
Charge Temperature		-15°C to +55°C
Discharge Temperature		-20°C to +60°C
Storage Temperature		-20°C to +60°C
Protection Class		IP21



6000+ cycles @%80 DOD and
3 years warranty.



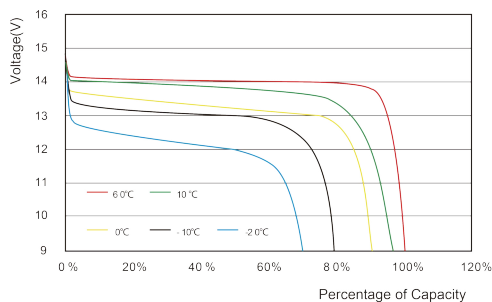


Discharge Data

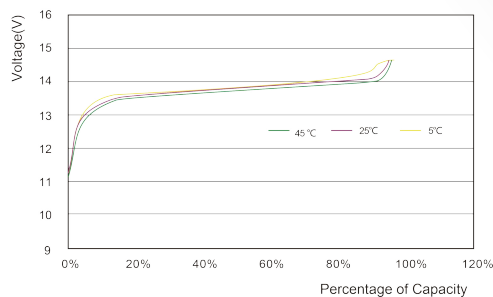
Constant Current Discharge Data(25°C)

Current/A	0.1C	0.2C	0.3C	0.4C	0.5C
Voltage/V	Time/h				
12.0	9.475	4.858	3.254	2.420	1.925
11.6	9.927	4.948	3.309	2.453	1.960
11.2	10.003	4.996	3.344	2.494	1.990
10.8	10.101	5.044	3.359	2.510	2.000

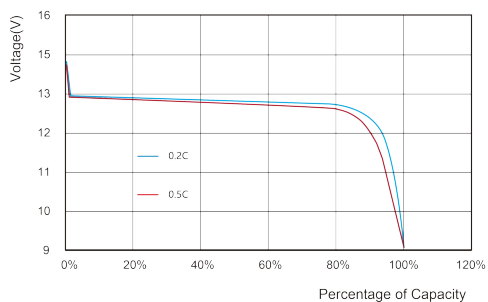
Performance Curve



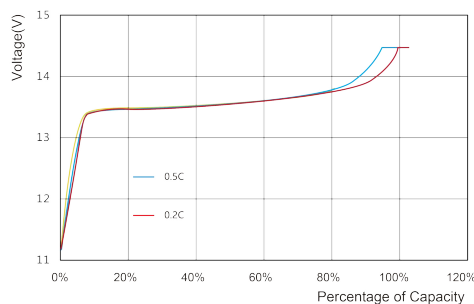
Discharge Curve at Different Temperature



Charge Curve at Different Temperature



Discharge Curve at Different Rate (25°C)



Charge Curve at Different Rate (25°C)

Products specifications described herein are subject to change without prior notification.