

SmartPower 12V150Ah

SCIFP12150 Lithium-ion battery system

SCIFP12150, a powerful 12V LiFePO4 battery product, has been designed to provide power backup for remote or outside telecom plants like Access Terminals, Base Transceiver Stations, Base Station Controllers.



Benefits

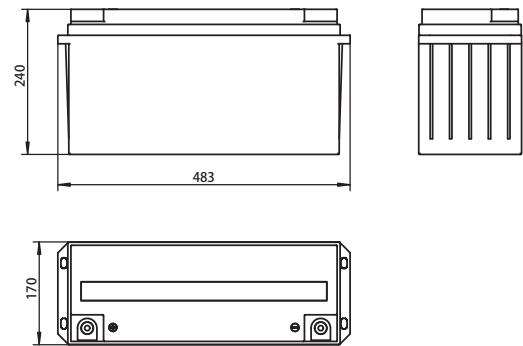
- Increased energy in given space
- Easy installation
- Maintenance-free
- High operational reliability
- Excellent long life time
- Preventive but not premature replacement at end of life

Standards

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

Specifications

Drawing

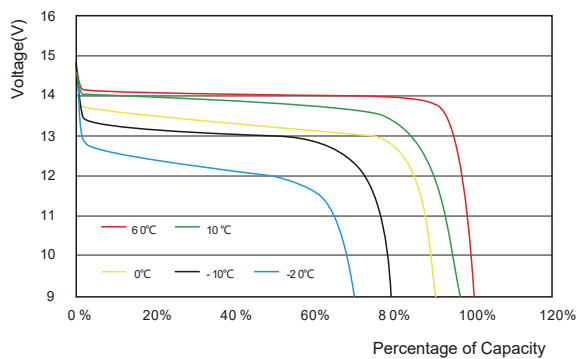


Nominal Characteristics		SCIFP12150
Nominal Voltage		12V
Typical Capacity		150Ah(0.2C, 25°C)
Typical Energy		1920 Wh
Volumetric Energy Density		97.4 Wh/dm ³
Gravimetric Energy Density		120.0 Wh/kg
Dimensions	Width	483mm
	Height	240mm
	Depth	170 mm
Typical Weight		16Kg
Electrical Characteristics		
Voltage Window		10.8~14.4V
Charge Voltage Range		14.0~14.4V
Max. Permanent Discharge Current		75A
Max. Permanent Charge Current		75A
Faradic Charge Efficiency		99% (+20°C)
Energy Charge Efficiency		94% (+20°C)
Terminal		M8
Additional Features (optional feature)		--
Operation Environment		
Charge Temperature		0°C to +55°C
Discharge Temperature		-20°C to +60°C
Storage Temperature		-20°C to +60°C
Protection Class		IP20

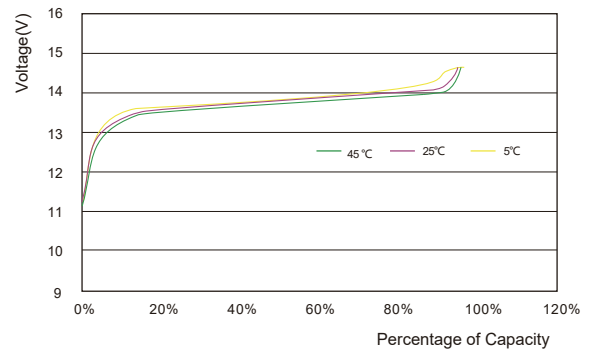
Discharge Data

Constant Current Discharge Data(25°C)						
Voltage/V	Current/A	0.1C	0.2C	0.3C	0.4C	0.5C
	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

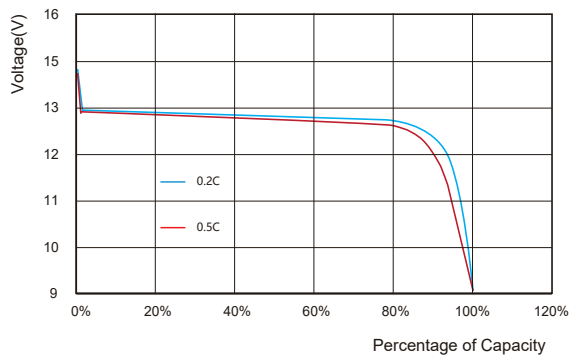
Performance Curve



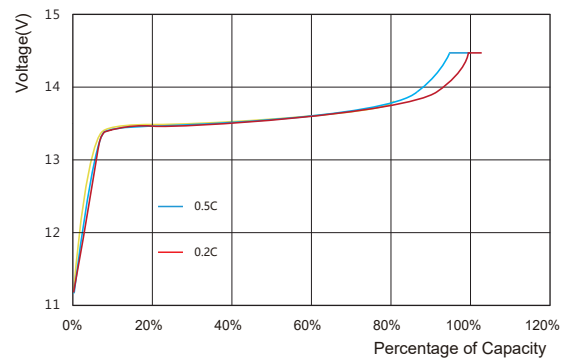
Discharge Curve at Different Temperature



Charge Curve at Different Temperature



Discharge Curve at Different Rate (25°C)



Charge Curve at Different Rate (25°C)

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