

SmartPower 12V150Ah

SCIFP12150 Lithium-ion battery system

LAF12150 (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

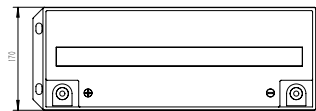
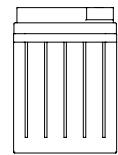
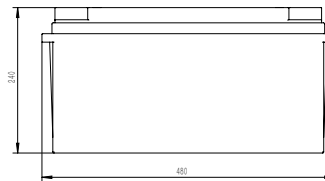
- Increased energy in given space
- Easy installation
- Maintenance-free
- High operational reliability
- Excellent long life time
- Preventive but not premature replacement at end of life

Standards

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

Specifications

Drawing

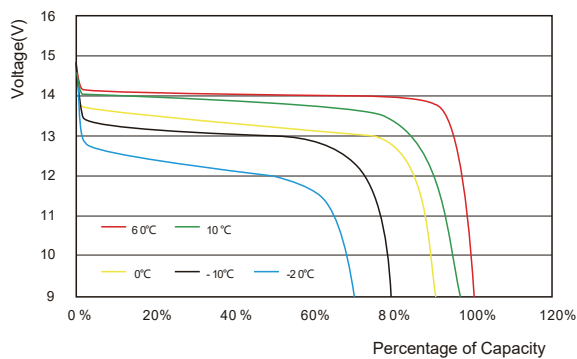


Nominal Characteristics		LAF12150
Nominal Voltage		12V
Typical Capacity		150Ah(0.2C, 25°C)
Typical Energy		1920 Wh
Volumetric Energy Density		97.4 Wh/dm ³
Gravimetric Energy Density		120.0 Wh/kg
Dimensions	Width	480mm
	Height	240mm
	Depth	170 mm
Typical Weight		16Kg
Electrical Characteristics		
Voltage 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		IP68

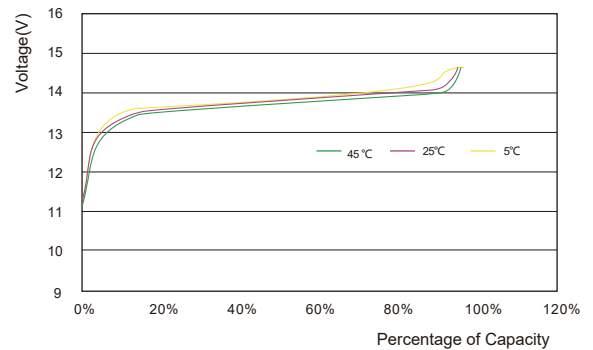
Discharge Data

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

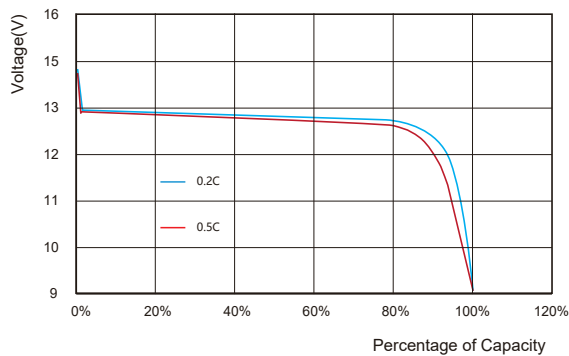
Performance Curve



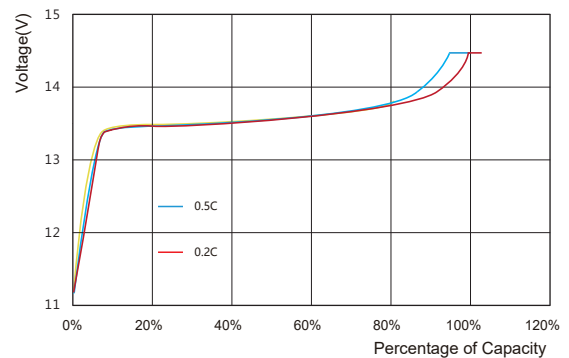
Discharge Curve at Different Temperature



Charge Curve at Different Temperature



Discharge Curve at Different Rate (25°C)



Charge Curve at Different Rate (25°C)

Sacred Sun Power Sources Co., Ltd.

Add: No.1 Shengyang Road, Qufu 273100 PRC
Tel: +86-537-4422313 Fax: +86-537-4411980
Email: sales@sacredsun.cn

Sacred Sun Hong Kong Co., Limited

Add: RM 19C Lockhart CTR 301-307 Lockhart RD Wan Chai, Hong Kong
Email: admin.hk@sacredsun.hk

Sacred Sun Asia Pacific Pte Ltd.

Add: 1 Ubi View, #04-12, Focus One, Singapore 408555
Email: admin.sg@sacredsun.sg

Sacred Sun Europe SARL

Add: ZAE Fontaine, 33210 Fargues, France
Email: admin.eu@sacredsun.eu

Sacred Sun MEA FZE

Add: No. 311 office, Building LOB 14, JAFZA, Dubai, UAE
Email: admin.ae@sacredsun.ae