SKU: LSO-1U-241500R2



Embedded DC Power System

Introduction

E24100 is an AC/DC embedded power system with Excellent performance such as high power efficiency, intelligent battery management, remote management, wide range of AC input voltage, etc. The system can configure 2 pieces of 1U 50A high rectifier modules, and provides 100A rated current output. E24100 can be embedded in 19-inch rack or cabinet.



Features

- 1U rectifier: high density, high efficiency, excellent high temperature performance(full load @ 55°C).
- Wide operation temperature range of embedded power from -40°C to 70°C.
- Hot-swappable rectifiers provide easy installation and maintenance.
- Standard installation structure design, adapt to various scenarios.
- Compact design(only 1U in height), saving space and installation cost.
- Excellent rectifier dormancy function helps increase system efficiency.
- Intelligent battery management and protection help to prolong battery lifespan.
- Support environmental signal monitoring and remote management through dry contact, serial interface or ethernet interface (options).

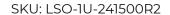
Application Scenarios

- Wireless base station.
- · Transmission network.
- · Communication network of enterprises.

Specifications

System

Dimension	440mm(W)×354mm(D)×44mm(H)
Weight	≤8.5kg
Cooling mode	Natural cooling
Installation mode	Installed on 19-inch rack or inside the cabinet
Cabling mode	Front inlet and Front outlet
Maintenance mode	Front maintenance, support module grade change
Protection level	IP20





AC Distribution

AC Distribution	
Input mode	220VAC single phase
Input capacity	40A terminal
Output capacity	N/A
Input frequency	45~66Hz, rated value: 50Hz/60Hz
SPD	20kA/40kA, 8/20μs
DC Distribution	
Output voltage	-21~-29VDC, rated value: -26.7VDC
Maximum capacity	3000W
Battery Fuse	1×40A/
Load Fuse	1×80A; 1×40A;
SPD	N/A
Rectifier	
Input voltage	85VAC~290VAC, rated 220VAC
Efficiency	R241500H>94% Peak
Rated power	1500W(110~270VAC)
Working temperature	R241500H -40°C~+80°C (full load @ 55°C)
Dimension	106mm(W)×286mm(D)×42.5mm(H)
Weight	≤1.9kg
Cooling mode	Forced cooling
Power factor	≥0.99
THD	≤5%
Controller	
Signal input	1 Battery temp, 1 ambient temp & 2 common DI
Alarm output	4 dry contact
Communication port	SNMP
Display mode	LCD
Environment	
Operating temperature	-40°C~+70°C
Storage temperature	-40°C~+70°C
Operating humidity	5%~95% (non-condensing)
Altitude	0~2000m