HUNTERHEX®
Smart Green Climate and Energy Solutions

AC DC 19" RECTIFIER POWER SYSTEMS 4kW, 8kW to 12kW

Smart System 4 rectifier slots configuration 4 x 1kW, 4 x 2kW or 4 x 3kW modules

Smart SYSHHEX-SL-1300R48 Embedded Power System AC/DC

Features

- 19”2U sub-rack, easy to be embedded into all standard telecom equipment
- 8kW to 12kW system capacity
- Up to 0.99 power factor
- Intelligent fan-cooling
- Rectifier modules hot-s wap
- N+1 rectifier m odule redundancy
- Advanced b atteries monitori ng and management
- ECO mode
- High power density

Applications

- Fiber optic network
- Access network
- Satellite communication ground
- station Transmission equipment
- Mobile communication
- ESS

Introduction

- Smart SYS **HHEX**-SL-1300R48 system is **compact** and intelligent power system, It can house up to 4*2KW rectifiers and 1*SC500 controller
- Dry contact use front access and front operation.AC input and DC output use rear access and rear connection.
- With compact design, easy installation
- Two levels Low Voltage Disconnect (LVD) protection
- Two battery MCBs
- Compatible with rectifiers of the same size

Applicable Standards

Electrical	IEC 60950-1 EN 60950-1 UL 60950-1
EMC	EN 55022 Class A
Environmental	ETSI EN 300 019-2 ETSI EN 300 132-2 RoHS

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Input

AC Input	85Vac-300Vac
Input Current	≤12A (Per rectifier)
Frequency	45~65Hz
THDi	<5%@full load <10%@half load Rated input and output voltage

Output

Output Voltage	-53.5V Rated output voltage
Output Current	-53.5V float voltage -56.4V boost voltage ≥120A
Voltage Regulation	≤±1%
Current Sharing	≤±5%
Efficiency	≥92%
Ripple and Noise	≤200mV Peak-Peak
Psophometric Noise	≤2mV

Other Specifications

Operating Temperature	-40°C to +70°C (-40°F to +158 °F)
Storage Temperature	-40°C to +85°C (-40°F to +185 °F)
Humidity	Operating: ≤95% non- condensing Storage: ≤99% non-condensing
Dimensions (mm)	482.6W(19") x 88.1 H (2U)x 395D
Weight	≤10kg（Without rectifier）

Options

DC Distribution	LLVD：1*150A/2P BLVD：1*150A/2P 2 MCBs for battery, the rating of load MCB is 100A BLVD & LLVD1, Rear operation and rear connection
AC Distribution	Connect to backplane directly Rear access and rear connection
Low Voltage Disconnect	150A Bi-stable contactors should be used as BLVD &LLVD1
Output Protection	Short-circuit protection Overload protection
Rectifier	SP I 48/2000 SP II 48/2000 SP II 48/2000HE SP I 48/3000 SP II 48/3000HE

Monitoring

Function	Operation information acquirements, battery and system management, system alarm, communicate with control center related ports
Controller	SC500
Battery Mid-Point	2 x Battery mid-point
Dry Contact	6 relay outputs, NO+COM
Digital Input	6 DI
Interface	LCD
Temp Sensor	1