

HUNTER

Functional Telecom

Advanced modular designed mini system, provides sufficient power to meet the requirements for telecommunication system. Rack-mounted, suitable for all kinds of exchange room, server room, base stations, satellite communications, data communications, locomotives and utility power systems etc.

HUNTER MINI 5300 DC power system (AC-DC dual input)

System Components

- HUNTER MINI 5300 system consists of HUN48-50A rectifier modules, HUNM16 monitoring modules, power distribution unit, sub-rack etc.
- Common configuration: 48V/50A, 48V/100A, 48V/150A, 48V/200A, 48V/250A, 48V/300A, 48V/350A.

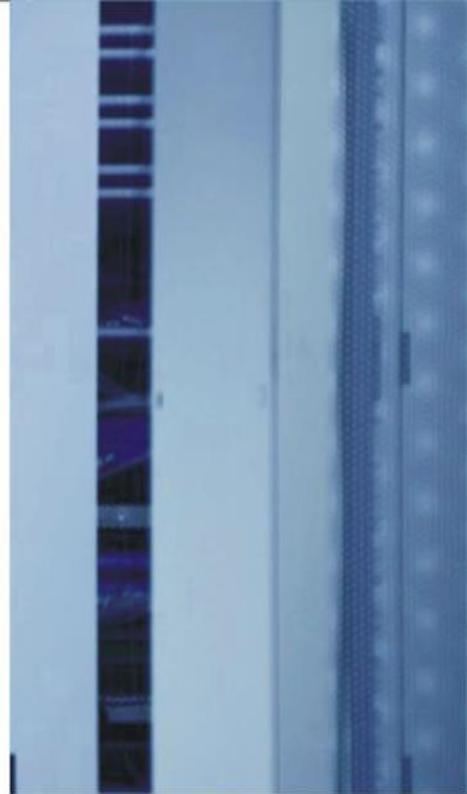


48V/50A, 48V/100A,
48V/150A.



48V/150A, 48V/200A,
48V/250A, 48V/300A,
48V/350A.





Features

- Circuit of the Rectifier modules have two parts, one is PFC adjust; the other is DC/DC transformation. Technically perform a wide input voltage range (85V-290V).
- High efficiency. rectifier modules used soft switch technology, while load rate is 10% then efficiency will be 91%, at 50% load rate the efficiency will be above 96%
- With step less current limiter technology, output current is continuously adjustable.
- Adopted step less temperature control speed, it can reduce power consumption and prolong the life of the fan.
- Sharing Load, Equalized-current imbalance $\leq 3\%$
- Optional Ethernet interface through TCP/IP or SNMP
- Controller MCU
- Digital signal collection via internal RS485 bus; RS232 interface for remote operation. 3 alarm dry contact alarm: Emergency alarm, main alarm, general alarm.
- System configuration is flexible and convenient, easy to expand;
N +1 redundancy
- 2U height, light weight, High power density.



> HUNM16 Monitoring Module

Monitoring module monitors the working status of each rectifier modules, has functions of collecting, display and setting the operation parameters of the system. It can also communicate with an external computer and form a local or remote centralized monitoring system.



Monitoring Content

- LCD display: Blue background, white information, including date, system voltage, load current, battery current, input voltage, load condition (connect or disconnect), battery temperature, charge condition, etc.
- Through the system menu set the relevant parameters, including System voltage setting, Charge Management, Alarm limit setting, Low pressure breaker setting, time setting, modify password, language selection, module configuration, etc.
- Alarm and recording functions: Through RS485 connect and communicate between rectifier module and monitor module. There are 3 types of alarm, emergency alarm, the main alarm, general alarm.

Specification

Rated voltage of DC input	48VDC
Voltage range	40V-60VDC
Temperature	-25℃~+65℃

> Distribution unit

Feature

- Shunt load with short-circuit and over-current protection, shunt capacity can be adjusted according to User requirements;
- Battery input should connect with an external fuse protector;
- Power off auto/manual, load off on/off control switch;
- Battery current, the total load current can be detected;
- All DC outputs have fault detection function;
- LVD function to protect load and battery.

> Communication Protocol

Feature

- Safe operation: With the host computer own password and dual authentication, greatly protect system parameters safety.
- Parameter setting is comprehensive, detailed; slave module time setting, temperature compensation setting, output over/low voltage setting, boost charge time setting, over-voltage and recovery voltage setting.



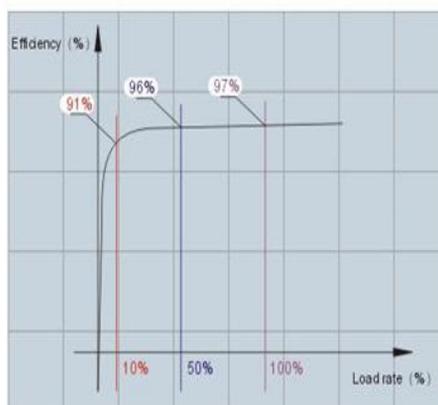
> 48V Rectifier Module



Feature

- When load rate is 10% the efficiency can reach 91%; when load rate is 50%, efficiency can reach above 96%
- Step less current limiting technology, output current is continuously adjustable.
- Adopt step less temperature control automatic speed adjustment, reduce power consumption and extend the life of the fan.
- Sharing load, Equalized-current imbalances \leq 3%
- 2U height, light weight, High power density.

Efficiency



Technical data

Specification	HUN0848	HUN 1048	HUN 1648	HUN 2348	HUN 2948
Input voltage (AC)	85V-290V				
Output voltage (DC)	48V (42V-59V Continuously adjustable)				
Output current (A)	15A	20A	30A	40A	50A
Max. power (W)	800W	1000W	1600W	2300W	2900W
Operating temperature	-25°C ~ 45°C				
Relative Humidity	\leq 97% RH				
Load regulation	\leq 0.5%				
Voltage regulation	\leq 0.10%				
Dimension	103mm(W)*261mm(D)*88mm(H)				
Weight	2.6kg				

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