



LY POWER

Powered By



DC Power System

MODULFLEX +18KW

Introduction

The Modul Flex MTR series can convert AC Input to-48V DC output. This power systems is configured with 1U 48V/2000W rectifier modules with maximum capacity 18KW. It adopts 19-inchi standard size design,supporting various installation mode.The solution can be customized to accordingly to specific requirements.



MODULFLEX +18KW

Feature

- Hot-Swap Rectifier Module
- Modular, Scalable Cabinet Design
- High Power Density
- Highly efficiency > 96%
- Front-to-back Airflow
- Excellent EMC Performance
- Wide input Voltage Range
- Wide Temperature Range
- Compliant with Global Standards
- Macro Cell BTS
- Microwave
- LTE/WiMax
- FTTX
- Broadband Access
- Optical Fibre Transmission System
- IDC (Internet Data Centers)



2000 Watt

Specifications

General

Efficiency	≥96%
Cabling	Top, inlet \ outlet
Maintenance	Front
Safety	CE \ C-tick
EMC	EN55022 Class B EN 61000-4-2/-3/-4/-5/-11
Cooling	Fan cooling
Acoustic noise	< 58dB(A) at 40 Degree C, full load

Input

Main switch	AC Breaker – 3P/63A
AC connection & Voltage	3L+N+PE, 380VAC
Modular voltage range	175~300VAC (per rectifier, full power)
Modular voltage range	80~175VAC (per rectifier, reduced power)
Walk-in	10s
Frequency range	45~66Hz
THD	≤5% (50% to 100% load)
Power factor	≥0.99
Input protection	SPD, 20kA/40kA, 8/20μs

Output

Voltage	Float-charging: 53.5 VDC Equalize charging: 56.4VDC
Voltage range	42 ~58 VDC
Over voltage protection point	58.0VDC
Ripple and noise	≤200 mVp-p
Psophometrical-ly weight noise	≤2.0 mV
Output current	337.5 A @ 53.5 VDC 375.3 A @ 48.0 VDC
Power maximum	18.0KW

Power distribution

LLVD	400A, Normal close contactor with latch type
BLVD	400A, Normal open contactor with latch type
Breaker for LLVD	1P/20A*2, 6A*4 ,10A*3
Breaker for BLVD	1P/6A*4
Breaker for Battery	1P/63A*1

Control and monitoring

Type	Site monitoring unit (SMU 01)
Display	LCD, display with 4 lines of line character
Communication port	RS232 / RS485 FE (Ethernet, RJ-45),with TCP/IP,SNMP & web browser
Signal input	6 digital input, 1 door magnetism, 1 water logging, 1 smoke, 2 ambient temperature, 1 battery temperature, 1 environment temperature and humidity
Relay output	8 dry contact
Data logging	Data logging, FIFO method, event log record 3000 PCS, data record 10000 line
Functions	System monitoring (Power AC input and battery status) Parameter setting Alarm \ event \ failure inquiry Battery boost (equal) \float charge setting Battery testing Environment monitoring Smart control diesel function

Mechanics

Dimension (W*D*H)	482*390*266.7 (mm) 6 U
Weight, power system shelf	≤27kg (exclude rectifier module)
Weight, rectifier module	≤1.8kg

Environment

temperature	-40°C ~ +75°C
humidity	5% ~ 95%(non-condensing)
Altitude	0~4000m