Rectifier Module

2000 Series

AC Input	
Voltage	85Vac~ 300Vac（nominal 100Vac to 240Vac)
Frequency	45Hz-65Hz
Power factor	≥0.99@220Vac/50A, ≥0.98@220Vac/25A
Input pretection	L-line fuse 15A Varistors for transient protection

DC Output			
Voltage	+53.5Vdc		
Output power	**2000S**	**2000M**	**2000H**
	1800W(154Vac~300Vac), 900W(85Vac~154Vac)	2000W(154Vac~300Vac), 1000W(85Vac~154Vac)	2000W(154Vac~300Vac), 1000W(85Vac~154Vac)
Maximum current	**2000S**	**2000M**	**2000H**
	33A	37.5A	37.5A
Current sharing	5%		
Dynamic voltage regulation	±5.0% for 10-90% or 90-10% load variation, regulation time < 200us		
load regulation	±0.5% from 10% to 100% load		
Ripple and noise	< 200 mV peak to peak, 30 MHz bandwidth, < 2 mV rms psophometric		
Output protection	Overvoltage shutdown Hot swapable - Inrush current limiting Fuse Short circuit proof High temperature protection		

LongXing Telecom
LongXing Telecom
LongXingTelecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
+86 574 87908988
+86 574 87908188
Ver: 140518

LONGXING
Structured Cabling Solutions

Overview

The innovative design makes great customer advantages of high efficiency, reliable and cost-effective.

Efficiency

- **2000S: ⩾93%@220Vac@peak**
- **2000M: ⩾95%@220Vac@peak**
- **2000H: ⩾96%@220Vac@peak**

Applications

- BTS, fiber and switch telecom

Telecommunication carriers consume more and more energy, reducing the power consumption is carriers' overwhelming society duty, and they have to cut TCO by power saving to face competition.

Standard efficiency and high efficiency modules are mixable to maximize cost-saving and power system efficiency.

- Network access

For medium and small power network access, the high efficiency module is key component of power supply operation in indoor/outdoor harsh environment with high reliability.

- Data center, powers server and computer

The high efficiency module is also designed for data center to replace UPS power, comparing with UPS's born disadvantage---low efficiency, low reliability, high maintenance cost, the high efficiency module suits for data center excellently.

- Self protection and reliability

DSP control with advanced software ensures the overall functions to meet almost all requirements from customers.

The basic protection of input/output fuse, and input/output low voltage/over voltage protection, also high level protection of power de-rated when input low voltage and high temperature, and temp. regulated fan speed, all these functions create high reliability.

Hot-plug and easy maintenance

The monitor will automatically recognize new plug module and communicate, and communication between modules via RS485 for load sharing even when the monitor is fault.

The module is spring screw locked with its light weight and small dimension, zero setting, the module replacement is non-tool and very easy, the low technology worker is certificated.

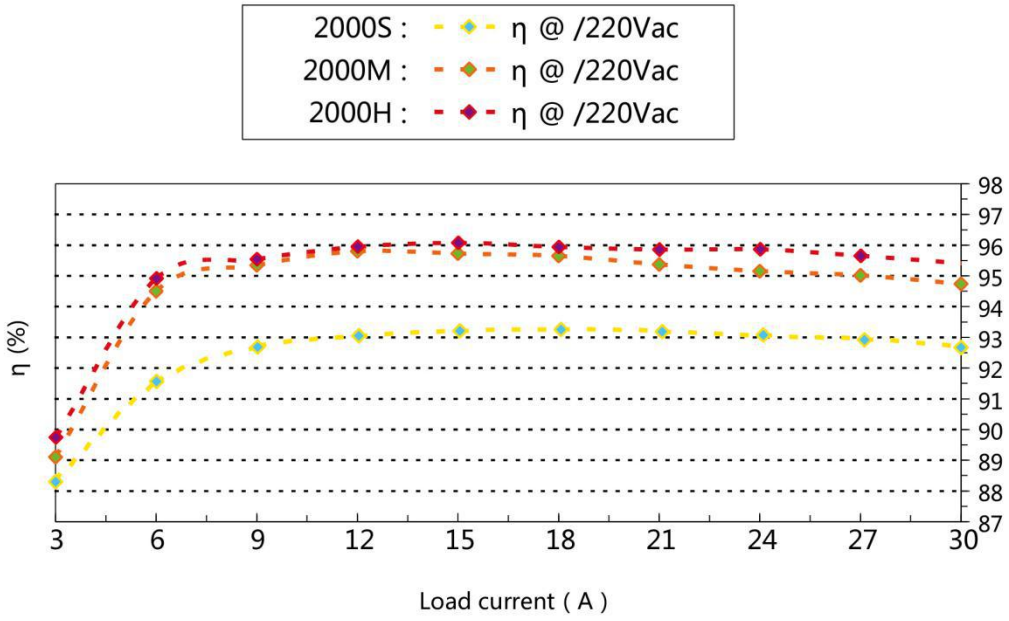
Design Standards	
Safety	IEC 60950-1
EMC	EN 61000-6
Environment	ETSI EN 300 019-2 RoHS compliant

LongXing Telecom
LongXing Telecom
LongXingTelecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
+86 574 87908988
+86 574 87908188
Ver: 140518

LONGXING
Structured Cabling Solutions

Other Specifications

Isolation	3.0 KVAC – input and output 1.5 KVAC – input earth 0.5 KVDC – output earth
Indicator LEDs	Green--normal Yellow--protection warning Red--failure
Alarms	Low mains shutdown High temperature shutdown Rectifier Failure Output overvoltage shutdown Fan failure
Warnings	Rectifier in power derate mode Remote battery current limit activated Input voltage out of range Low voltage alarm LVD activated
Operating temp	-40～+55℃ 100% power output +55～+65℃, 50% power derated output
Storage temp	-40 to +70°C
Cooling fan	Temperature regulated air front to back
MTBF	500000 hours
Acoustic noise	50dB
Humidity	10%～95% no condensing
dimensions	106mm(W)*298.5mm(D)*40.5mm(H)
Weight	1.7kg

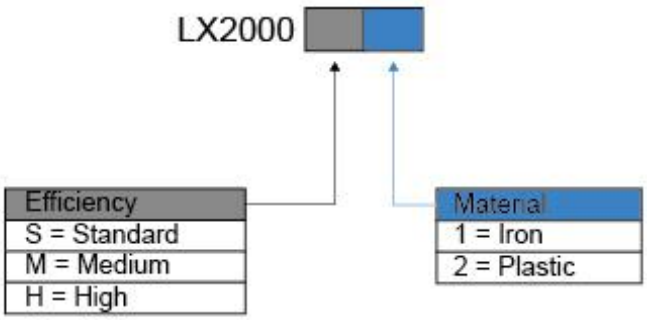


LongXing Telecom
LongXing Telecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
LongXingTelecom
+86 574 87908988
+86 574 87908188
Ver: 140518
LONGXING
Structured Cabling Solutions

Part Details

LongXing Telecom
LongXing Telecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
www.lxtelecom.com
LongXingTelecom
+86 574 87908988
+86 574 87908188
Ver: 140518

Catalog Number



Ordering Example:

LX1800M1； Medium efficiency, Iron panel.

More relevant designs for your reference.

Output power	Efficiency: @220VAC@peak	Material	Height
2000S	≥93.2%	Iron	1U
2000M	≥95.5%	Iron	1U
2000H	≥96.1%	Iron	1U
3000S	≥93.2%	Iron/Plastic	2.5U/2U(P)
3000M	≥95.2%	Iron/Plastic	2.5U/2U(P)
3000H	≥96.4%	Iron/Plastic	2.5U/2U(P)
3000US	≥93.0%	Iron	1U
3000UM	≥95.2%	Iron	1U
3000U-H	≥96.0%	Iron	1U

LongXing Telecom
LongXing Telecom
LongXingTelecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
+86 574 87908988
+86 574 87908188
Ver: 140518

LONGXING
Structured Cabling Solutions