

Telecom Power Supply

OPG48200S1 Sub-rack powersupply



KEY FEATURES

1. Cost effective solution: high integrated power supply including rectifier modules, controller, lightning protection, distributions
2. Easy maintenance: hot plug rectifier module and fully front-access maintenance system for wall against or corner mounting
3. Advanced battery management improves battery lifespan, especially suitable for poor AC mains application
4. Extreme wide input voltage: 85V ~ 300VAC
5. Extreme wide operation temperature: -30°C ~ +65°C
6. High/standard efficiency rectifier modules are compatible
7. 5U height compact design
8. System rated capacity: -53.5VDC/200A
9. Whole monitor ports, RS232/485/SNMP, dry contactors
10. LCD display with state-of-the-art interface allow simple and convenient local setup, control and remote monitor
11. Design standards: IEC/EN60950

INTRODUCTION

The OPG48200S1 is specially designed to meet the demand for compact, flexible, high performance, high reliability power supply. The system consists of 1-4 units MegaPower 483000U high/standard efficiency rectifier modules of their mixture, a MC2000 monitor module, AC/DC distributors. 19 inches and 4U height standard structure adapt to various telecom cabinets and racks.

Rectifier high efficiency is up to 97%, standard efficiency up to 92%.

- ◆ Marco/micro BTS sites
- ◆ GSM-R
- ◆ Enterprise
- ◆ Broadband access
- ◆ Optical fiber transmission system

▶ OPERATION AMBIENT

ITEM	SPECIFICATION	REMARK
Storage temperature	-40 ~ +70°C	
Operation temperature	-30 ~ +65°C	
Safety		according to EN60950 and IEC60950
Communication	RS232+dry contact+SNMP	
Operation moisture	10 ~ 95%	Non-condensing

▶ SYSTEM CONFIGURATIO

MODEL	DCCAPACITY	RECTIFIERS	MONITOR	BATTERYACCESS
MegaPower48200S1	48V/200A	1 ~ 4units	MC2000	1 ~ 2strings

▶ DISTRIBUTION

		REMARK
	OPG48200S1	
AC input	100A/2P×1	
Battery	100A/1P×2	
DC output	63A/1P×2+32A/1P×2+20A/1P×2+16A/1P×2	LLVD standard configuration
	32A/1P×2+10A/1P×2	BLVD standard configuration

▶ POWER SPECIFICATION

	SPECIFICATION	REMARK
Input voltage	85 ~ 300V/45 ~ 65Hz	TN/TT groundingsystem
Output voltage	-42 ~ 58.5V	Nominal -53.5V
Rectifier power		MegaPower3000U/2000
Surge current capacity	3000W/2000W	AC input surge protection DC
	nominal 20kA(8/20us), Max.40kA	output surge protection
	In--20kA,Imax--40kA	

▶ MECHANICAL SPECIFICATION

PARTS	DIMENSION/mm	WEIGHT/Kg
Subrack	482.6x370x176	13
Rectifier module	295x106x42	2.4/1.7
Monitor	230×85×42.5	0.8
Battery chamber	/	
Mounting	19" rack	