

Telecom Power Supply

OPG4890S Sub-rack powersupply



▶ KEYFEATURES

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: 85~300V AC
5. Extreme wide operation temperature: -30~+65°C
6. High/standard efficiency rectifier modules are compatible
7. 3U height compact design
8. System rated capacity: -53.5V DC/90A
9. Whole monitor ports, RS232/485/SNMP, dry contactors
10. LCD display with a state-of-the-art interface allows simple and convenient local set up, control and remote monitor
11. Design standards: IEC/EN60950

▶ INTRODUCTION

The OPG4890S is specially designed to meet the demand for compact, flexible, high performance, high reliability power supply. The system consists of 1-3 unit OPG2000 high/Standard efficiency rectifier module of their mixture, A MC2000 Monitor Module, AC/DC distributors. 19 inches and 3U height Standard structure adapt to various telecom cabinet and racks

▶ APPLICATIONS

- ◆ 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 CONFIGURATION

MODEL	DCCAPACITY	RECTIFIERS	MONITOR	BATTERYACCESS
MegaPower4890S	48V/90A	1~3 units	MC2000	1~2 strings

▶ DISTRIBUTION

	OPG4890S	REMARK
AC input	63A/2P×1	
Battery	63A/1P×2	
DC output	63A/1P×1+40A/1P×1+32A/1P×3	LLVD standard configuration
	32A/1P×3+16A/1P×1+10A/1P×1	BLVD standard configuration

▶ POWER SPECIFICATION

	SPECIFICATION	REMARK
Input voltage	85 ~ 300V/45 ~ 65Hz	TN/TT grounding system
Output voltage	-42 ~ -58.5V	Nominal -53.5V
Rectifier power	1800W/2000W	MegaPower1800/2000M/2000H
Surge current capacity	nominal 20kA(8/20us), Max.40kA	AC input surge protection
	5kA(8/20us)	DC output surge protection

▶ MECHANICAL SPECIFICATION

PARTS	DIMENSION/mm	WEIGHT/Kg
Subrack	482.6×355×132	9.6
Rectifier module	295×106×42	1.7
Monitor	230×85×42.5	0.8
Battery chamber	/	
Mounting	19" rack	