

## GYFP48150TPM



TYPE	GYFP48150TPM
Rated Voltage [V]	-48V
Capacity [C <sub>5</sub> ] [Ah]	150Ah(FP45173209A)
<b>Mechanical Characteristics</b>	
Width [mm]	482(440)mm
Height [mm]	222mm
Depth [mm]	480mm
Weight [kg]	62kg
<b>Electric Characteristics</b>	
Voltage Range [V]	-42V~-54V
Charging Voltage [V]	-54V
Charging Mode	CC/CV
Rate Charging Current [A]	75A
Rate Discharging Current [A]	75A
Max Charging Current [A]	90A
Max Discharging Current [A]	100A
Lifetime @+25°C	20 years
Cycle Lifetime [100%DOD,+20°C ,1C rate, 80%capacity residual]	>2500 cycles
<b>Operating Conditions</b>	
Operating Temperature	Charge: +3°C—+60°C Discharge: -20°C—+65°C
Storage Temperature and Time	<u>1 year @ 20°C,</u> <u>6 months @ 30°C,</u> <u>3 months @ 40°C</u>
Safety Certification	CE certification, UL certification
Protection Class	IP20

## Brief Introduction

GYFP48150TPM (ETSI 19 Inches Rack) is high-tech product, which is developed independently by COSLIGHT. It has outstanding advantages in power backing-up area for telecom or specified area, which is widely used in access network equipment, remote switching office, mobile telecom equipment, transmission equipment, satellite ground stations and microwave telecom equipment.

## Mechanical Structure

- Designed as ETSI 19 inches 5U standard rack-mount.
- Installing on standard rack of telecom equipment rack

## Advantages of Lithium Battery

- Small in volume and light in weight, reduce 40-50% in size(compared with LA Battery).
- 20years of lifetime @ I or II class power supply area,+25°C, and managed by BMS.
- At +25°C,50%DOD, the cycle life is more than 8000 cycles.
- Excellent high temperature performance, and air condition is unnecessary when the ambient temperature is less than +38°C @ I or II class power supply area, which can save energy.
- Non-pollution, safe and reliable.

## BMS

- Battery system adopts advanced BMS, having warning and protection function of over-discharging, over-charging, over-current, temperature and etc.
- Optimization and management to the battery charging and discharging.
- Communication interface with controller.
- Compatible with existing high frequency switching power supply system.

## Production Status

- Mass production capacity for single cell (3ah-300ah) and full range of battery pack (3ah—3000ah)
- ISO9001, ISO14001, OHSAS18001 and TSI6949
- ROHS