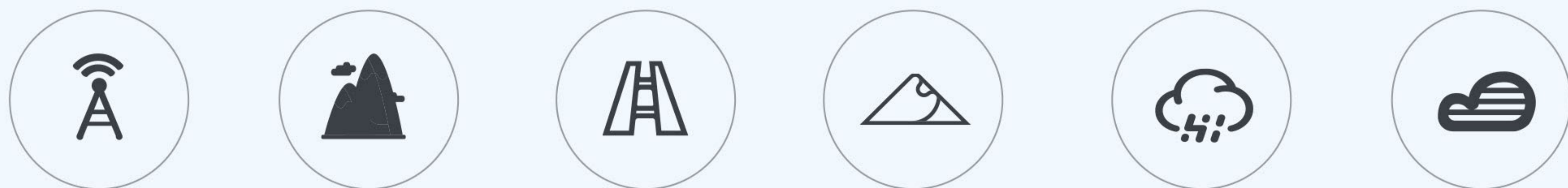


CONSNANT®

# OUTDOOR TELECOM POWER SYSTEM

OD-TRS-2460/OD-TRS-48100 Series



Telecom equipment, usually used in remote and rugged areas. The OD-TES-2460/OD-TRS-48100 series power supply has unique features like high temperature resistance, water resistance, corrosion resistance, dust resistance, etc. It can provide these equipment reliable power supply under harsh conditions. Besides, it has a wide input voltage range and frequency range, which makes it well adapt to the poor grid quality in these areas.

- The OD-TRS-2460/OD-TRS-48100 series outdoor pole-mounted communication power system has a cost-effective, customizable rack-mounted supporting installation form.
- The system is composed of a rectifier part, a dynamic ring part, an ODF (optical distribution frame), a lithium battery part, and a power distribution part.
- At the same time the whole system can maintain high reliability and provide flexibility for future expansion.
- Based on the monitoring management function and power system monitoring function, equipped with appropriate sensors, the system can achieve environmental monitoring, provide lithium battery status information and system status information, and provide RS232, RS485, LAN communication interfaces.
- It can support Modbus RTU, Modbus ASCII, SNMP V1, V2, V3 protocols for unattended and remote monitoring.

# TECHNICAL SPECIFICATIONS

Model	OD-TRS-2460	OD-TRS-48100
System Capacity	24V30A *2 (one master and one backup)	48V50A * 2 (one master and one backup)
<b>System Parameter</b>		
Rated Voltage	220/230/240VAC, Single phase in+Ground	
Input Voltage Range	90~280Vac	90~300Vac
Input Frequency Range	45~63Hz	45~65Hz
Rated Output Voltage	24VDC	48VDC
Stabilization Accuracy	20V ~ 29V	42V~58V
Adjustable Voltage Range	≤ ±1%	
Output Current	30A	50A
Frequency	50/60Hz	
Inverter Efficiency	90%	
Display	LCD+LED	
Alarm	Door opening alarm, temperature and humidity alarm, battery low, mains failure, over temperature	
Work Environment	-10 ~ 40°C	
Relative Humidity	Maximum 95%(Non-Condensing)	
Altitude	<1000m. When >1000m, power derates 1% for every 100m rise. Max. 4000m	
Storage Temperature	-5~45°C	
Storage Relative Humidity	0~90%	
Cooling Mode	Fan cooling	
Noise (1 meter)	53~62dB	
IP Class	IP55	
Incoming Line Mode	Bottom inlet	
Maintenance Mode	Front	
Power Distribution Part	Input with lightning protection level Class+II, level 1+2, compound type; output: 3 channels 24VDC /48VDC	
Built-in ODF	12 LC-UPC duplex adapter connections with 241.5m long, LC/UPC taps, fiber type: G655.C(optional)	
LCD Display	DC voltage, DC current, charge/discharge, output voltage, output current, Input voltage, input frequency, system temperature, etc	
<b>Battery</b>		
Battery Type	Lithium battery pack	
Nominal Battery Voltage	25.6VDC	51.2VDC
Battery Capacity	100AH	50AH
Floating Charge Voltage	27VDC	56VDC
Equalizing Charging Voltage	28.8VDC	58VDC
Cut Off	22VDC	42VDC
<b>Communication</b>		
Computer Interface	MODBUS TCP/IP, SNMP V2/V3, RJ45 Port (System and dynamic ring host monitoring)	
<b>Physical</b>		
Weight (without battery)	99Kg	
Dimension: W×D×H(mm)	670*720*990	
Cabinet Material	SPCC-cold rolled steel (standard), Galvanized Steel / Stainless Steel / Aluminium (optional)	