

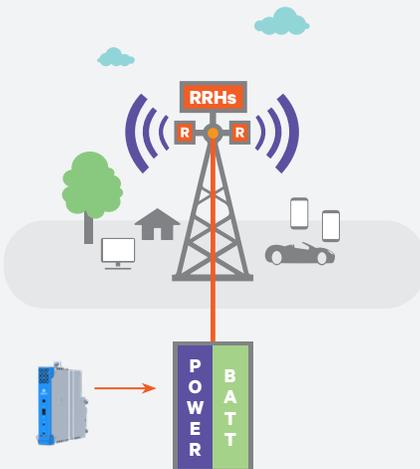
# Vertiv™ eSure™ Power Extend Converter

C48/58-1000



## Benefits

- Instantly boost power to remote radio heads (RRHs) by plugging this device directly into the existing distribution panel
- Leverage room for revenue generating equipment since additional rack space is not used
- Avoid adding a separate bulk or multi-output converter shelf
- Achieve conversion efficiency greater than 98%
- Use the existing RRH cable
- Ideal for upgrading legacy DC power plants



*Ideal for networks transitioning from LTE or earlier architectures to 5G.*

## Description

The eSure™ C48/58-1000 Power Extend Converter is a 1000W, -48 VDC to -58 VDC converter with bullet terminals designed to increase power output to remote radio heads (RRHs) and function as an overcurrent protection device for the RRH circuit. The compact design of the device fits in the palm of your hand and plugs directly into a DC distribution panel in the same position as a bullet circuit breaker. If needed, up to three units can operate in parallel to meet higher power demand.

The eSure C48/58-1000 is equipped with an enable/disable switch, a bi-color LED indicator and an alarm contact. Test points are provided to monitor the output voltage and an integrated branch circuit rated protection device is included.

The eSure Power Extend Converter maintains RRH operation through end of battery discharge. It is ideal for upgrading legacy DC power plants to support the increasing power requirements of 5G applications.



## Technical Specifications

DC Input	C48/58-1000
Voltage	-42 VDC to -58 VDC, 48 VDC (nominal)
Maximum Current	24.35 A

DC Output	
Voltage	-58 VDC
Maximum Power	1000 W
Maximum Current	17.2 A @ -58 VDC
Peak Efficiency	98.6%

Control and Monitoring	
Visual Indications (on front)	A single bi-color LED indicates the operating status of the unit: <ul style="list-style-type: none"> <li>Green = Proper operation</li> <li>Red = Alarm</li> </ul>
Alarm Contact (on back)	Compatible with Vertiv bullet distribution panel
Test Points (on front)	Enables output voltage measurement of the unit

Environmental	
Operating Temperature	-40°C to +65°C / -40°F to +149°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Relative Humidity	0 to 93% non-condensing
Altitude	-200 to 10,000 feet

Standards Compliance	
Safety	UL 62368 Recognized GR3108 Class 2, NEBS Level III, UL (pending)
EMC	FCC CFR 47 Part 15 (Class B conducted and radiated); Telcordia GR-1089-CORE Issue 6

Mechanics	
Dimensions (H x W x D)	107.2 x 18.5 x 109.7 mm / 4.22 x 0.73 x 4.32 inches
Weight	0.45 kg / 1.0 lbs

## Ordering Information

Part Number	Description
565050	eSure™ C48/58-1000 Power Extend Converter

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