



## Calidad 2U

Telecom

Network

Broadband

Utilities



Calidad 2U Power Shelf

### Product Description

The Calidad 2U is a 19" rack mountable integrated power system, which provides up to 166 amps at -54VDC with the RM-48-3K or 111 amps with RM-48-2K 96% efficient rectifiers. The distribution section provides the ability to terminate 2 battery strings each with its own battery disconnect and circuit breaker. Ten load breaker positions are provided and are configured in two groups of 5.

Control and alarm reporting is handled by the RM-48-KA which includes a display and keypad for direct on site access of key data. Set up of all key parameters can be done locally using the SNMP or via the web interface.

### Product Features

- Hot pluggable
- Controlled, measured and reported by Ethernet (SNMP and Web-Server)
- Modular design for accommodating high power applications
- 19 inch rack mount type

Input Specifications	
<b>Voltage</b>	1P3W 240VAC (Nominal 176 - 264 VAC)
<b>Frequency</b>	45 - 66Hz
<b>Protection</b>	Under & Over voltage
<b>Efficiency</b>	96% Typical & Max (2kW & 3kW module )
Output Specifications	
<b>Output Voltage</b>	DEFAULT -54.0VDC
<b>Output Current</b>	6kW Max (2kW 3 modules) 9kW Max (3kW 3 modules)
<b>Adj. Range</b>	-42 – 58 VDC
<b>Line Regulation</b>	±0.5% Max
<b>Load Reg.</b>	±1.0% Max
<b>Temp. Reg.</b>	±0.5% Max
<b>Noise</b>	≤ 250mVp-p (2kW Module) ≤ 300mVp-p (3kW Module)
<b>Setpoint Acc.</b>	±0.5%
<b>Over Current</b>	101 – 110%
<b>Protection</b>	-59 VDC over (recycle input to reset), Thermal Shutdown
Status & Control Signals	
<b>Communication Interface</b>	Ethernet (SNMP and Web-Server), Dry Contact

### General Specifications

<b>Operating Temperature</b>	-40 – 75°C, Derating above 55°C: 2kW (-40 – 167°F, Derating above 131°F: 2kW) -40 – 75°C Derating above 45°C: 3kW (-40 – 167°F, Derating above 113°F: 3kW)
<b>Storage Temp.</b>	-40 – 80°C
<b>Humidity</b>	Operating: 10 – 95% (Non-Condensing) Storage: 5 – 95% (Non-Condensing)
<b>Cooling</b>	Fan cooling
<b>Altitude</b>	2000 m (6566 ft)
<b>Size (WxDxH)</b>	482 x 500 x 88.8 mm (18.98 x 19.69 x 3.5 in)
<b>Standards &amp; Approvals</b>	UL/cUL: 60950-1 EMI: FCC Part 15b/ICES 003

### Electromagnetic Compatibility

<b>Emissions</b>	FCC Part 15b/ICES 003
<b>Harmonic Current Emissions</b>	EN61000-3-2
<b>Fluctuations &amp; Flicker</b>	EN61000-3-3
<b>Electrostatic-Discharge</b>	EN61000-4-2
<b>Radiated EFI</b>	EN61000-4-3
<b>EFT/Bursts</b>	EN61000-4-4
<b>Surge Transients</b>	EN61000-4-5
<b>Conducted Immunity</b>	EN61000-4-6
<b>Voltage Dips &amp; Short Interrupts</b>	EN61000-4-11

### Ordering Information

Model No.	Description
Calidad 2U	2U 48VDC Shelf with Breaker Output