



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

General Specifications

Operating Temperature	-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)
Storage Temp.	-40 – 80°C
Humidity	Operating: 10 – 95% (Non-Condensing) Storage: 5 – 95% (Non-Condensing)
Cooling	Fan cooling
Altitude	2000 m (6566 ft)
Size (WxDxH)	482 x 500 x 88.8 mm (18.98 x 19.69 x 3.5 in)
Standards & Approvals	UL/cUL: 60950-1 EMI: FCC Part 15b/ICES 003

Electromagnetic Compatibility

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

Ordering Information

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