



Cambia 9K

Telecom

Network

Broadband

Utilities



DC Power Shelf

Product Features

- Hot pluggable
- n+1 redundancy
- Automatic battery charging
- Controlled, measured, and reported by TCP/IP
- Modular design for high power applications
- Low voltage disconnect for the battery protection (BLVD)

Input Specifications

Voltage	1P3W 220VAC or 3P4W 380VAC $\pm 20\%$ (Nominal 176 – 275VAC)
Frequency	47 – 63Hz
Protection	Under & over voltage
Efficiency	96.0% max (3kW module) 96.0% typical (2kW module)

Output Specifications

Output voltage	DEFAULT -53.5VDC
Output current	9KWatt Max (3kW x 3 modules)
Adjustment range	-42 – 58VDC
Line regulation	$\pm 0.5\%$ Max
Load regulation	$\pm 1.0\%$ Max
Temp. regulation	$\pm 0.5\%$ Max
Noise	$\leq 250\text{mVp-p}$ (2kW 3 modules) $\leq 300\text{mVp-p}$ (3kW 3 modules)
Setpoint accuracy	$\pm 0.5\%$
Over current	101 – 110%
Protection	-59VDC over, Thermal Shutdown, Battery Temp. Compensation

Product Description

The Cambia 9K is a highly efficient 2U 48VDC 19" rack mountable integrated power system that can be used in a modular design for accommodating high power applications, including central office, DAS, and wireless base stations. The system provides up to 166 amps at -54VDC with the RM-48-3K or 111 amps with the RM-48-2K modules. The distribution section provides two battery breakers and four load breakers and has a low voltage disconnect for battery protection (BLVD). Control and alarm reporting are handled by the RM-48-KA which includes a display and keypad for direct on-site access of key data.

General Specifications

Operating temp	-40 – 70C (Derating above +55C : 2KW) -40 – 70C (Derating above +45C : 3KW)
Storage temp	-40 – 80°C
Humidity	Operating: 10 – 95% (Non-Condensing) Storage: 5 – 95% (Non-Condensing)
Cooling	Fan cooling
Altitude	2,000m (6,566ft)
Size (WxDxH)	448.8 x 417 x 44.4 mm
UL/cUL	60950-1 (pending)
Communication	Ethernet, Dry Contacts Output (6EA) and Input (6 EA)

Electromagnetic Compatibility (pending)

Emissions	EN55022 Class A
Electrostatic discharge	EN61000-4-2, 4kV Contact / 8kV Air
Radiated susceptibility	EN61000-4-4, 2kV
EFT / bursts	EN61000-4-5
Surge	EN61000-4-10, 95% Dip&10ms, 30% Dip&500ms
Voltage dips	EN61000-4-11, 95% reduction, 5ms
Voltage interruptions	EN61000-4-11, 95% reduction, 5ms
Fluctuations & flicker	N61000-3-3

Ordering Information

Model No.	Description
Cambia 9K	2U 48VDC Power Shelf