

Cambia 4MK Expansion Shelf



Expansion Shelf with (4) Rectifiers

Product Description

The Cambia 4MK is a 19" modular 1U expansion shelf for the C3MK. It can be configured with up to four 96% efficient rectifiers (maximum 223A). With the addition of the Cambia C3MK, the system has the flexibility to be configured up to 3,500A.

Input Specifications

Voltage	1P3W 240VAC (Nominal 176 - 275 VAC) 3Ø 4W 380VAC
Frequency	45 - 66 Hz
Protection	Under & Over voltage
Efficiency	96.0% Max (3KW module) 96.0% Typical (2KW module)

Output Specifications

Output Voltage	DEFAULT -54 VDC
Output Current	222A Max (3kW 4 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 3 modules) ≤300mVp-p (3KW 3 modules)
Setpoint Acc.	±0.5%
Over Current	101 – 110%
Protection	-59 VDC over (recycle input to reset), Thermal Shutdown

General Specifications

Operating Temperature	-40 – 75°C (Derating above 3kW: +45°C / 2kW: +55°C)
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)	465 mm (19") or 567.4 mm (23") x 417 x 44.4 mm
UL/cUL	60950-1 (pending)

Electromagnetic Compatibility (pending)

Emissions	EN55022 Class A
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
Cambia 4MK	Modular 1U Shelf with 4 Rectifiers