

Features

- Up to 11 slots
- Efficient, state-of-the-art switched-mode power supply
- Built-in dual fan
- Reversible mounting brackets
- Programmable contact closures
- Dual redundant power supply (MC 10 version)
- Management (SNM™) interface
- Field hardened



Description

MC 11 power supply cabinets can house and power 11 Optelecom-NKF single-width rack-mount modules. The heart of the MC 11 is a powerful, efficient power supply unit, based on the latest switched-mode techniques, which can supply up to 165 watts.

The MC 11's built-in fans provide sufficient cooling for full-load operation over a wide temperature range. Additionally, they make it possible to stack cabinets on top of each other and use every inch of available rack space efficiently. All connections are concentrated on one side. Reversible mounting brackets give you the choice to have all connections at the front or at the back.

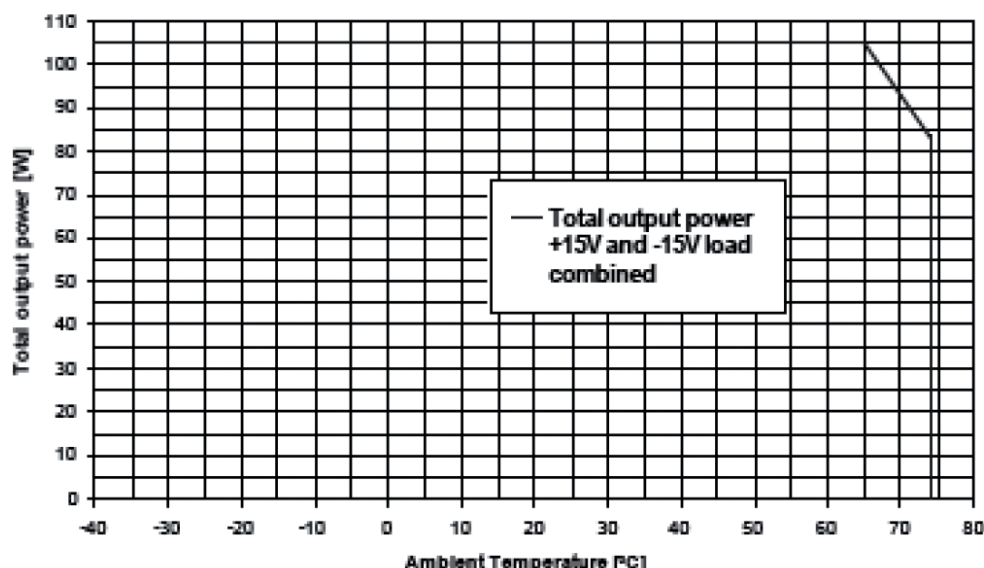
The MC 11 DC version is fitted with two DC inputs and two identical DC/DC conversion circuits to provide the highest availability possible. A power failure on or off the inputs is indicated with an LED and a galvanic isolated contact.

The EB-2 option offers network management and is compatible with Optelecom-NKF's Smart Network Manager (SNM™). It provides status information and control over system modules, including the power supply cabinet itself. The EB-2 option also offers two programmable alarm contacts. There are MC 11 models for 230 VAC, 115 VAC, as well as options available for DC power systems.

Ordering Information

Model	Description
MC 11 AC-230	Power supply cabinet, 19-inch/3 RU
MC 11 AC-115	Power supply cabinet, 19-inch/3 RU
MC 11 AC-230 /EB-2	Power supply cabinet with SNM™ management interface, 19-inch/3 RU
MC 11 AC-115 /EB-2	Power supply cabinet with SNM™ management interface, 19-inch/3 RU
MC 10 AC-230 /EB-2	Dual power supply cabinet with SNM™ management, 19-inch/3 RU
MC 10 AC-115 /EB-2	Dual power supply cabinet with SNM™ management, 19-inch/3 RU
MC 11 DC	Redundant DC power supply cabinet, 19-inch/3 RU

MC10-11 Power supply - Output Power Derating



Electrical

Number of slots

MC 11 (DC)	11 slots
MC 10	10 slots
Type of slot	7 TE Eurocassette

Powering

Mains voltage	MC 10/11 AC-230 230 VAC
Operation voltage	
Frequency	40-100 Hz
Max. drop-out time	10 ms
Primary fuse	1.6A/250V slow
Power efficiency (full load)	>90%
DC output power	83W
DC input power	
input current	

Management

LED status indicators	
DC	Power-on indicator (green)
EB	Data activity (SNM™) on external bus (green)
Network Management	SNM™ compatible
SNM™ variables	Voltages, modules, module temperature, module status, optical levels, etc.
Number of SNM interfaces	2x 9-pin sub-D per cabinet
Interface format	RS485
Data rate	19.2 kb/s
Programmable contacts	2 per cabinet
Switch rating	2A at 30 VDC

MC 10/11 AC-115

115 VAC
40-100 Hz
10 ms
3.16A/250V slow
>90%
83W

Environmental

Operating temperature	-40° C to +65° C (-40° F to +149° F)
Storage temperature	-55° C to +85° C (-67° F to +155° F)
Relative humidity	<95% as long as there is no condensation.
MTBF	>100,000h
Safety and EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4, EN 50081-1, EN 55022, FCC part 15

Mechanical

Dimensions (h x w x d)	132 x 483 x 240 mm (5.2 x 19.02 x 9.45 in.), without cabling 132 x 483 x 350 mm (5.2 x 19.02 x 13.78 in.), with cabling
Weight (approx.)	4.5 kg (9.92 lbs.)



The quality management system utilized in the development, production, sales and support of this product is ISO 9001:2008 certified by LRQA.

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