



Micropack Power System

GREAT SMALL POWER

The Micropack power system is designed for smaller loads, yet with a heavy functionality. With few standard building blocks easily mounted on a DIN rail, the system is fully on-site configurable.

Product Description

The Micropack power system extends your network one step further. With load ranges typically between 250W and 1000W, the Micropack is perfect for broadband extension and other high speed data and telecom applications. Suitable for both indoor and outdoor applications.

With a few DIN rail mountable building blocks, the Micropack power system is design for on-site configuration and assembly. This allows fast and efficient logistics and enhanced flexibility.

Broad functionality including ethernet based remote monitoring is provided by the Compack controller.

System Building Blocks

Power Core

The power core consists of 2 or 4 plug-in positions for Micropack rectifiers and one position for Compack controller. The core also includes AC mains connection, internal signaling and redundant DC current output.

Battery Distribution

The battery distribution is configurable with plug in style breakers. Battery connection terminals and low voltage battery disconnect (LVBD) are rated for optimal battery backup.

Load Distribution

Distribution is on-site configurable with plug in style breakers and can be used in series with more distribution blocks if needed.

Bulk feed option

The bulk feed option is available for a non-load distribution power solution or with self made wired standard DIN rail breaker distribution.

Micropack Rectifier

The rectifier is convection cooled for system installation in harsh and noise sensitive environments. A wide input operating range and temperature range give the system a true wide data and telecom network application approach. Refer to rectifier module datasheet for further information.



Compack Controller

A small, compact and simple controller with all the functionality expected from a large complex control system. See the Compack datasheet for further information.



See reverse side for specifications

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Additional Technical Specifications

Power Core (2-pos / 4-pos)	
AC Input	<ul style="list-style-type: none"> ○ 1x Single Phase ○ 85VAC – 300VAC (185 – 275VDC, no power derating)
AC Connector	<ul style="list-style-type: none"> ○ Screw terminals, 2.5 mm² [12 AWG] ○ Top entry
DC Output Power	
2-pos	500W
4-pos	1000W
Bulk	1000W
DC Output Earth	Configurable, default positive (+)
Dimension (W)	205 mm [8"] (2-pos) / 295 mm [11.6"] (4-pos). Including Battery Distribution
Weight	160 g [0.4 lbs] (2-pos) / 250 g [0.5 lbs] (4-pos)
Coding	YES, to prevent use of incompatible rectifier models

Load Distribution (4 x MCB)	
Breakers	<ul style="list-style-type: none"> ○ Plug-in style (IPA series from Airpax™) ○ 2A to 15A
Max no of breakers	4 per block
Load Connector	Screw terminals, max 4.0 mm ² [10 AWG]
LVLD	No
Dimension (W)	72 mm [2.8"]
Weight	165 g [0.4 lbs] (excl. MCBs)

Battery Distribution (2 x MCB + LVBD)	
Breakers	<ul style="list-style-type: none"> ○ Plug-in style (IPA series from Airpax™) ○ Up to 30A
Max no of breakers	2 per block
Battery Connector	Screw terminals, max 10.0 mm ² [6 AWG] Reverse polarity protection
LVBD	50A
Dimension (W)	82 mm [3.2"]
Weight	270 g [0.6 lbs] (excl. MCBs)

Common Specifications	
Dimensions (H x D)	89 mm (2U) x max. 150mm (incl. DIN rail) mm [3.5 x 5.9"]
Mounting	35mm DIN rail
Remote Monitoring	Ethernet 10/100 BASE-T (refer to Compack datasheet for details)
Local Monitoring	3 x LEDs (major alarm, minor alarm, power on) 3 x Form C dry contacts
Cover material	Plastic V0 rated and aluminum
Operating temp	-40 to +65°C (-40 to +149°F) Storage temp -40 to +85°C (-40 to +185°F)

Applicable Standards	
Electrical safety	IEC 60950-1 UL 60950-1 CSA C22.2
EMC	IEC 61000-6-1 IEC 61000-6-2 IEC 61000-6-3 /A1 IEC 61000-6-4 ETSI EN 300 386 v1.3.3 FCC Part 15B Subpart 109
Environment	2002/95/EC (RoHS) & 2002/96/EC (WEEE) ETS 300 019-2-1 Class 1.2 ETS 300 019-2-2 Class 2.3 ETS 300 019-2-3 Class 3.2

Specifications are subject to change without notice

24120.90X.DS3 – vA

Part no.	Description
241120.901	Micropack Power Core 2 position
241120.902	Micropack Power Core 4 position
241120.910	Battery Distribution (2 x MCB + LVBD)
241120.920	Load Distribution (4 x MCB)