

## **Minipack System**

### Power Supply Systems 48V, 3.2 or 4.8kW

### Compact and cost effective power supply system

The Minipack system has been specifically designed to meet any requirement in terms of power functionality and cost. Realization of Minipack systems is possible by fitting up to 4 or 6 rectifier across 2U 19" shelf including controller and distribution.



Minipack 3.2kW System, 4 rectifiers



Minipack 4.8kW System, 6 rectifiers

# MINIPACK PS SYSTEMS

Doc 900920.DS3 - v8

#### **APPLICATIONS**

## Wireless, fiber and fixed line communication

Today's communications demand state of the art, cost efficient and compact DC power systems. Minipack delivers power density of 14W/in3 and superb reliability at lowest lifetime cost.

### Broadband and network access

Increasing network speed demands flexible and expandable DC power solutions. Minipack is your key building block for future needs.

#### PRODUCT DESCRIPTION

The Minipack system is a compact power system containing a Monitoring and Control Unit (Smartpack), LVD, battery and load MCBs. Switch mode technology with resonant topology and high switching frequency is used to minimize volume and weight and to obtain high reliability. The system accepts large variations on the input voltage (85-300 VAC) and draws sinusoidal current with a soft start power-up.

### KEY FEATURES

. HIGHEST EFFICIENCY IN MINIMUM SPACE

Resonant topology makes the module efficiency industry leading and contributes to the rectifier's ultracompact dimensions.

DIGITAL CONTROLLERS

Controller is digitalized, enabling excellent monitoring and regulation characteristics. Thus, the number of component has been reduced by 40% - for highly reliable, long life, trouble free DC power systems.

HEAT MANAGEMENT

Front-to-back air flow with chassisintegrated heat sinks gives the module the most suitable working environment and no limitations in the scalability of the desired system solution.

UNIQUE CONNECTION

A true plug-and-play connection system: time-to-install and cost-reducing solution.

GLOBAL APPROVALS

Minipack is CE marked, UL recognized for worldwide installation.

# MINIPACK PS SYSTEMS



A LED – System ON W LED – Minor alarm(s) 6 (for monitoring of external equal Battery current Rectifier current Load fuse alarm Battery fuse alarm LVD operated Low output voltage alarms (2 individual alarm levels)  2kW (66.7A at 48VDC)  4 pos: Up to 10 mini MCB type (2-6 pos: Up to 8 mini MCB type (2-p to 4 MCB type (60A) LVBD: 125A Optional LVLD: 80A 4 pos: Connection options in blo	NebPower (WEB Interface, SNMP protocol and email)  o Red LED – Major alarm(s) LCD – system status uipment)  o High output voltage alarms (2 individual alarm levels) o Battery capacity o Temperature alarm o Symmetry alarm o and more  6 pos: 4.8kW (100A at 48VDC)
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l blocks (up to 4 mm2)	
Colocid (ap to Tilling)	
l blocks (up to 1.5 mm2)	
able from frame for easy access	
3.0 KVAC – input and output 1.5 KVAC – input earth	o 0.5 KVDC – output earth
75°C (-40 to +167°F)	
80°C (-40 to +176°F)	
inting (446mm + brackets) nt and 250mm depth	Recommended cabinet depth is min 300mm
pprox. 4.38kg (9.66lbs)	6 pos: Approx. 4.28kg (9.44lbs)
50-1	UL 60950-
o EN 61000-6-1 (immunity, light o EN 61000-6-2 (immunity, indu- o EN 61000-6-3 (emission, light o EN 61000-6-4 (emission, indus 300 019-2	: industry) stry) industry)
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ion < 4 pos – Sales configured system	n (CTO)
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Specifications are subject to change without notice