

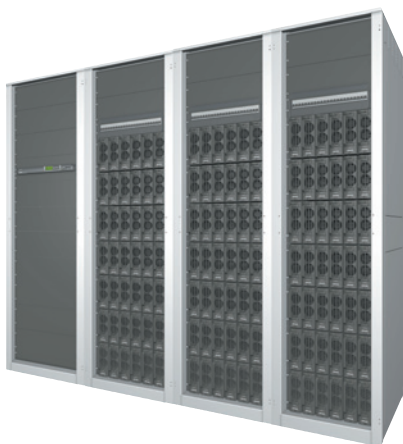
EAT•N

Powerware

Large Power Solutions

48V systems up to 378kW*

24V systems up to 219kW*



Features

- 45U Cabinets
- High Power Density and Reduced Footprint
- Fast On-Line Expansion of Rectifiers (Hot-Swap)
- High Efficiency and Unity Power Factor
- Surge Protection
- Single Point of Control
- Pre-Configured Software Setup
- Remote Control and Monitoring

The Powerware range of Large Power Solutions is ideally suited to major telecommunications installations requiring compact, efficient and flexible DC power supplies.

The Large Power Solutions range consists of parallel configurations of the Powerware Network Power Solutions systems using 48V or 24V rectifier modules. These 19" rack systems are available with up to 126 rectifier modules controlled from a single SM65 supervisory module. A fully equipped system, excluding distribution modules, can be accommodated in only three cabinets for minimum floor-space requirements.

Typical applications are providing power for wireless network switching, transmission systems, local and central offices and other major telecommunications installations.

Powerware Large Power Solutions power systems are pre-configured for fast installation and set-up with all system settings fully adjustable in software and stored in transferable, configuration files for repeatable one-step system setup.

* Systems with higher output are also available.

Technical Specifications

Brief Technical Specifications

AC Supply	3-Phase, 415V, 50/60Hz (nominal)
Power Factor	>0.99 (20 – 100% Maximum System Current)
Efficiency	24V: >88% 30 – 100% Output Current >89% @ 50% Output Current 48V: >90% 20 – 100% Output Current >92% @ 50% Output Current
DC Output Voltage Range	24V: 20 – 29V 48V: 40 – 58V
Maximum DC Output Power	24V: 219kW*, 8390A @ 24V 48V: 378kW*, 7875A @ 48V * Systems with higher output are also available.
Operating Temperature Range	24V: -25°C — +70°C [-13°F — 158°F] Maximum output current is derated above 40°C [104°C] 48V: -25°C — +70°C [-13°F — 158°F] Maximum output current is derated above 50°C [122°F], or if the optional rectifier insect screens are fitted.
Dimensions H, W, D	45U cabinet: 2100mm [82.7"], 600mm [23.6"], 600mm [23.6"]
Weight	360kg [800lb] per cabinet Typical configuration with 42 rectifier modules
Supervisory Module	SM60 (up to 36 rectifiers) or SM65 Series
AC Distribution Module	ACD with AC isolator switch and MOV surge protection
DC Distribution Module	See Options

Options

DC Distribution Module (MCB)	DCM1600/2400: 16-way or 24-way, Miniature Circuit Breakers (MCBs) DCM1010/1610: 10-way or 16-way load, 4-way battery, Miniature Circuit Breakers (MCBs)
DC Distribution (Fuse)	DCF1000: 10-way, DIN00 HRC Fuses DCF0600/0601/0602: 6-way, DIN00, DIN1 or DIN2 HRC Fuses DCF0403: 4-way, DIN3 HRC Fuses
Low Voltage Disconnect (LVD)	LVD801: 1 x 800A (single LVD unit) LVD802: 2 x 800A (dual LVD unit) LVD1201: 1 x 1200A (single LVD unit) LVD1202: 2 x 1200A (dual LVD unit)
Rectifier Blank Panels	For unused rectifier positions
System Blank Panels	For unused system module positions
PowerManagerII	Remote control and monitoring software
DCTools	Configuration Software. Free download from www.powerware.com/downloads
SiteSure	Input/output modules to monitor and control external equipment
CellSure	Battery Monitoring and Fault Diagnosis

Certifications

All products comply with International Standards. Contact your local Powerware DC representative for details on the specific product versions available with these safety and EMC approvals:

China	MII
Europe	CE
Australia / New Zealand	C-tick

In the interests of continual product improvement all specifications are subject to change without notice.

