

Data Brief

BPS 1U Integrated Power Shelf

Flexible -48V Power System Solutions

The BPS 1U Integrated Power Shelf provides advanced controller features in a compact, cost-efficient footprint. The shelf is comprised of a two BP040 rectifier slots, a slot for a controller, and a configured distribution panel. The distribution panel is configured to support GMT fuses and bullet breakers. The systems utilize a Pulsar Edge controller to provide ethernet connectivity and facilitate remote network management for the monitoring and control of rectifiers, batteries, and distribution. The BPS 1U power shelf provides a reliable DC power solution for applications where system height and depth are restricted.



Applications

- Small cell sites
- Fiber repeater/termination sites
- Customer premises
- Communication cabinets
- Outside plant

Features

- Flexible distribution options
- High density, ETSI depth systems
- Compact design
- Low cost

Specifications

Electrical	
System Voltage	-48V Nominal
Capacity, amps	80A
Capacity, positions	10 GMT fuse positions 2 bullet breaker battery inputs
Operating Temperature	-40°C to +65°C
Agency Approvals	UL/cUL, CE, NEBS Level 3

Mechanical	
Width (in./mm)	19 / 483 (17.2 / 437 chassis width)
Depth (in./mm)	11.66 / 296; Front to Mid-Mounted
Height (in./mm)	1.73 / 44
Weight (Lb/Kg)	7.2 / 3.3 (Shelf without rectifiers or controller)

Shelf Configurations

List 021: Adjustable depth mounted shelf configured with 10 GMT positions for load and two bullet breaker inputs for battery. The shelf is optioned with or without Low Voltage Battery Disconnect.



Figure 1 Front View L021



Figure 2 Rear View L021

List 021M: Mid-mount shelf configured with 10 GMT positions for load and two bullet breaker inputs for battery. Load outputs are in front of the mounting rail for front access. The shelf is optioned with or without Low Voltage Battery Disconnect.



Figure 3 Front View L021M



Figure 4 Rear View L021M



Figure 5 Side View L021M

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