CyberPower®

CS150U48V3D0015PV-00

CS150U48V3

DC UPS

Battery Backup for Broadband and Telecom Applications



Universal Input Voltage | Communication Signals | Lighting / Surge Protection

Audible Alarm | Replaceable Batteries | Extendable Runtime

The CyberPower CyberShield CS150U48V3 solution provides cable telephony, wireless local loop (WLL) and fiber to the premises (FTTP) providers with a dependable, cost effective local power supply for customer premises equipment (CPE). CyberShield provides the Multiple Service Operator (MSO) with a local powering solution that has lower installation costs, lower operational costs and lower service costs than competing power technologies.

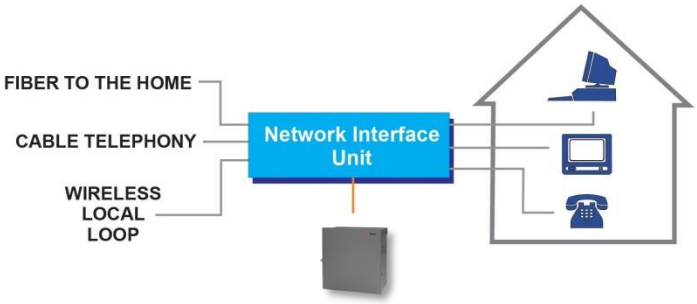
CyberShield keeps network communications, including telephone, up and running during power outages. The unit functions as a battery backup supplying continuous 48VDC to locally power network interface units, cable telephony modems, wireless base stations and fiber to the premises interface modules or integrated access devices.

APPLICATIONS

- Cable Telephone
- Wireless Local Loop
- VoIP and VoDSL
- Fiber to the Home
- MTU / MDU
- SOHO Network Communication

SERIES FEATURES

- Universal input voltage 115V/230V
- Microprocessor based intelligent control
- Communication interface to provide status updates to the ONT and customer
- Higher operating efficiency
- Weather-proof outdoor use (IP55 protection rating)
- PFC (Power Factor Correction) Functionality



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Technical Specification

Input	
Voltage	115Vac - 230Vac
Voltage Range	90Vac - 264Vac
Frequency	50Hz - 60Hz
Power Factor	> 0.9 at Rating Voltage and Max Load
Output	
Output Power Continuous	150W
Output Max Power	150W
Output Voltage Range	42V - 58Vdc
Output Current (Max Load)	3.1A Nominal
Ripple	< 30mVrms
Noise	< 120mVp-p
Efficiency	> 85% at Rating Voltage and Max Load
Output Connector	7-Pin Communication Signal Connector (DECA ME030-5007) x 2
Battery	
Battery Type	Sealed Lead-Acid
Battery Size	12V/7.2AH
Battery Quantity	(x4 or x8)
User Replaceable	Yes
Surge Protection & Filtering	
Lightning / Surge Protection	GR-1089-CORE Sect 4
Warning Diagnostics	
Indicators	AC (AC/Battery Mode Indicator), Output (Output On/Off Indicator), Battery (Battery Missing/Replacement Indicator)
Management & Communications	
Auto-Charge	Yes
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery
Physical	
Dimensions (WxHxD) (in.)	15.3 x 9.06 x 15.75
Weight (lbs.)	61.73 lbs / 28kg (with 8pcs battery)
Environmental	
Operating Temperature	-4°F to 131°F / -20°C to 55°C **See Note (1), (2), (3), (4)
Operating Relative Humidity	0% - 90% non-condensing within enclosure
Storage Temperature	-4°F to 131°F / -20°C to 55°C
Maximum Operating Elevation	10,000 ft / 3,000 m
Maximum Storage Elevation	50,000 ft / 15,000 m
Note 1	Electronics operational from -40°C to 46C plus solar loading with no de-rating, operation from 55°C to 65°C with linear de-rating, i.e.75% of max ouput at 65°C (149°F).
Note 2	Operation from -40°C to 46°C plus solar loading without battery heater and decreased reserve time availability.
Note 3	Battery heater recommended for extended use in ambient less than -20°C when not able to be installed in a controlled environment.
Note 4	Gel battery use recommended for extended use in ambient greater than 40°C when not able to be installed in a controlled environment.
Compliance	
Compliance	CSA/UL 60950, EN 60950, EN 55022 Class B, FCC Part 15 Class B, GR-63 Sect 4.2 Fire Resistance, GR-1089 Sect 3 Emissions, Sect 4 Lightning and AC Power Fault, Sect 7 Electrical Safety.

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More than 8 hours System Backup Power

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