

**CyberPower**<sup>®</sup>

# CyberShield<sup>™</sup>

Telecommunication DC UPS

## LOCAL POWERING SOLUTION FOR:

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



## PRODUCT FEATURES:

- Universal input voltage 87-264 Vac
- Microprocessor based intelligent control
- Communication interface
- Optional extendable runtime
- Audible Alarm signals utility failure and low battery
- Easy user-replaceable batteries

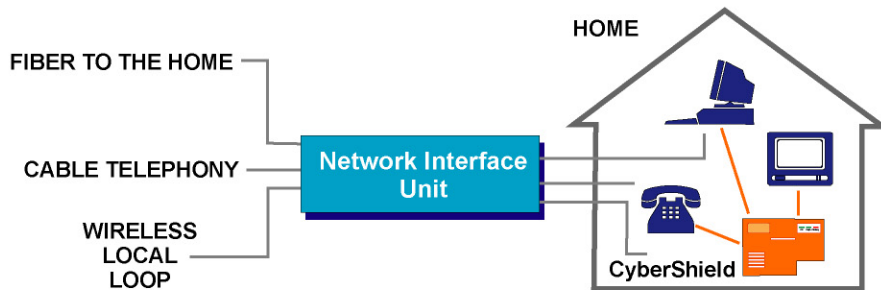
More than **14 hours**  
System Backup Power

## Local Power Source with Battery Backup for Broadband and Telecom Applications

The CyberPower CyberShield solution provides cable telephony, wireless local loop (WLL) and fiber to the home (FTTH) providers with a dependable, cost effective local power supply for customer premise(s) 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 12VDC or 48VDC to locally power network interface units, cable telephony modems, wireless base stations and fiber to the home interface modules or integrated access devices.

### CyberShield Application



Note that sealed lead-acid batteries should not be left discharged below 50% of full charge for any significant period of time. Sealed lead-acid batteries stored for extended periods of time at low charge levels are subject to permanent failure (i.e. will not recharge)

### TECHNICAL SPECIFICATIONS

MODEL	CS50U48V	CS50U12V-NA3	CS50U12V-NA3-G
<b>AC Input</b>			
Input Voltage Range	85Vac - 264Vac (Universal Input)		
Input Frequency Range	47 - 70 Hz		
Input Power Cord	North America (NEMA 1-15) 2-Prong Power Cord, Floating Ground	North America (NEMA 5-15) 3-Prong Power Cord, Floating Ground	North America (NEMA 5-15) 3-Prong Power Cord, Earth Grounded
<b>DC Output</b>			
On Battery Output Voltage	48Vdc		
Continuous Power Capability	50W		
Output Power Max	50W		
Efficiency (at 75% Max Load)	>75%		
<b>Battery</b>			
Battery Type	Sealed, Maintenance Free Lead-Acid Battery		
Numbers of Battery	17AH/12V x 1		
Typical Recharge Time	18 Hours		
Replaceable	Yes		
<b>Surge Protection and Filtering</b>			
Lightning / Surge Protection	Yes		
<b>Warning Diagnostics</b>			
Audible Indicator	Utility Failure, low battery		
LED Indicators	AC, Output, Battery		
<b>Management</b>			
Auto-Charge	Yes		
Communication Interface	On Battery, Replace Battery, Battery Missing, Low Battery		
<b>Physical</b>			
Maximum Dimensions (L*W*D)	30cm x 28 cm x 9.9 cm		
Weights (kg)	7.7		
<b>Environment</b>			
Operating Temperature	32°F - 104°F (0-40°C)		
Operating Humidity	0 - 95% noncondensing within enclosure		
Max Operating Elevation	10,000 ft (3,000m)		
Max Storage Elevation	50,000 ft (15,000m)		
Storage Temperature	5 F - 113 F (-15 C - 45 C)		