CyberPower

DTC50U12V CYBERSHIELD™

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

The DTC50U12V FTTx DC power supply and battery backup is designed for desktop and mountable locations inside the home in contrast to traditional out-of-sight locations such as garages, basements, and utility closets. This flexibility allows for reduced installation costs. Providers can install the DTC50U12V faster and in plain view, where they can be positioned with other utility devices such as phones, cable boxes and home electronics.

The DTC50U12V features an advanced LED and audible indicator system for simple interpretation of the unit's status. The improved battery maintenance and test algorithm accurately tests and maintains the battery for peak performance with minimal degradation and allows for the greatest utilization of the battery's capacity.

TYPICAL APPLICATIONS

- Cable Telephone
- Wireless Local Loop
- VoIP & VoDSL
- Fiber to the Home
- SOHO Network Communication

FEATURES

- FTTx Power Supply and Battery Backup Unit for desktop use
- Compact design saves installation space
- Visual indicators and audible alarm provide the unit status
- Emergency cold start function allows for "last gasp" availability
- Easy user-replaceable batteries
- Safe shutdown prior to any thermal damage
- Extended battery option

SPECIFICATIONS

MODEL	DTC50U12V-NA3-G
AC INPUT	
Input Voltage Range	100 – 240Vac
Input Frequency Range	47 – 70Hz
Input Power Cord	IEC 60320 / C5, 3-prong cord
Output Ground Reference	Grounded
DC OUTPUT	
On Battery Output Voltage	12Vdc with Over Voltage Protection
Continuous Power Capability	50W
Output Power Max	50W
Efficiency (at Full Load)	> 80%
BATTERY	
Battery Type	Sealed, Maintenance Free Lead-Acid Battery
Numbers of Battery	9Ah / 12V x 1
Typical Recharge Time	20 hours. (90% Charged)
Replaceable	Yes
Extended Runtime Option	12V XBP (CS20A-EBP)
SURGE PROTECTION & FILTERING	
Lightning / Surge Protection	Yes (6kV @ 8/20µs) per IEEE C62.41.2 and GR-1089

CYBERSHIELD APPLICATION

FIBER TO THE HOME

CABLE TELEPHONE

WIRELESS LOCAL LOOP

HOME

Optical Network Terminal
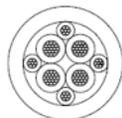NID/DSL or Cable Modem   DTC50U12V
Residential Gateway

INTERFACE OVERVIEW

- **System Status**: Indicates if system is operating normally.
- **DC**: Indicates the battery is supplying the power.
- **Mute**: Indicates the Audible Alarm is silenced.
- **Battery**: Indicates battery presence and if replacement is required.
- **Alarm Silence**: Allows users to silence alarm for 24 hours or indefinitely.
- **Cold Start**: Activates reserve battery power or restart with new battery.

SPECIFICATIONS CONT.

MODEL	DTC50U12V-NA3-G
WARNING DIAGNOSTICS	
Audible Indicator	Utility Failure, Low Battery
LED Indicators	Replace Battery, Mute, DC, System Status
MANAGEMENT	
Auto-Charge	Yes – Thermally compensated
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery
PHYSICAL	
Maximum Dimensions (L*W*D)	18.5cm x 18.6cm x 8.2cm
Weight (kg)	3.37 (with 9Ah battery)
ENVIRONMENT	
Operating Temperature	32°F – 104°F (0°C – 40°C)
Operating Humidity	0 – 95% Non-condensing with enclosure
Max Operating Elevation	10,000 ft. (3,000 m)
Max Storage Elevation	50,000 ft. (15,000 m)
Storage Temperature	32°F – 113°F (0°C – 45°C)
COMPLIANCE	
System	UL60950-1 2nd Edition, FCC Part 15 Class B, CISPR 22 Class B
VARIANTS	
North America (NEMA 5-15)	DTC50U12V-NA3-G
North America (NEMA 5-15) + 8-Pin Cable	DTC50U12V-NA3-G-C1
United Kingdom (BS 1363)	DTC50U12V-UK3-G
European Schuko (CEE 7)	DTC50U12V-SC3-G
Australian/New Zealand (AS/NZS)	DTC50U12V-AZ3-G
Brazil (NBR 14136)	DTC50U12V-BZ3-G

OUTPUT   EXT BAT

CABLE MODEL	CBL8PIN350MLX-010-BLK
Cable Length:	10 feet
Cable Terminator A:	8-Pin Connector (3.5mm pitch)
Cable Terminator B:	2x4 Pin Molex Type Connector
Cable Cross-Section:	18 AWG (4) 24 AWG (4)
Cable Color:	Black
Product Warranty:	3 Years

Pin Number	Signal
1	12V
2	12V
3	12V RTN
4	SIG RTN
5	ON BATTERY
6	12V RTN
7	BATTERY MISSING/REPLACE BATTERY
8	LOW BATTERY