



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

The DT36U12V 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 makes the DT36U12V unlike any model in the industry and its flexibility allows for reduced installation costs. The model allows providers to install the devices faster and in plain view, where they can be positioned with other utility devices such as phones, cable boxes and home electronics.

The DT36U12V 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.

### DTC36U12V Highlights

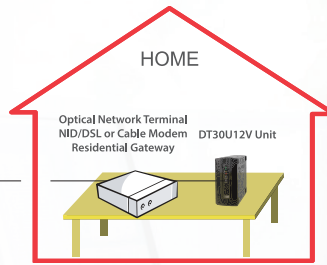
- FTTx Power Supply and Battery Backup Unit for desktop use
- Compact design saves installation space
- Visual indicators and audible alarm provide the unit status
- Emergency cold start function allows for "last gasp" availability
- Easy user-replaceable batteries
- Safe shutdown prior to any thermal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

### Local Powering Solution

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

# CyberShield Application

FIBER TO THE HOME  
CABLE TELEPHONY  
WIRELESS LOCAL LOOP



## 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.

MODELS	DTC36U12V-NA3	DTC36U12V-NA3-G
<b>AC INPUT</b>		
Input Voltage Range	100 – 240Vac	100 – 240Vac
Input Frequency Range	47 – 70Hz	47 – 70Hz
Input Power Cord	IEC320 / C5, 3-prong cord	IEC320 / C5, 3-Prong Cord
Output Ground Reference	Floating Ground	Grounded
<b>DC OUTPUT</b>		
On Battery Output Voltage	12Vdc with Over Voltage Protection	12Vdc with Over Voltage Protection
Continuous Power Capability	36W	36W
Output Power Max	36W	36W
Efficiency (at Full Load)	> 80%	> 80%
<b>BATTERY</b>		
Battery Type	Sealed, Maintenance Free Lead-Acid Battery	Sealed, Maintenance Free Lead-Acid Battery
Numbers of Battery	7.2Ah / 12V x 1	7.2Ah / 12V x 1
Typical Recharge Time	14 Hrs. (90% Charged)	14 Hrs. (90% Charged)
Replaceable	Yes	Yes
<b>SURGE PROTECTION &amp; FILTERING</b>		
Lightning / Surge Protection	Yes (6kV @ 8/20µs) per IEEE C62.41.2 and GR-1089	Yes (6kV @ 8/20µs) per IEEE C62.41.2 and GR-1089
<b>WARNING DIAGNOSTICS</b>		
Audible Indicator	Utility Failure, Low Battery	Utility Failure, Low Battery
LED Indicators	Replace Battery, Mute, DC, System Status	Replace Battery, Mute, DC, System Status
<b>MANAGEMENT</b>		
Auto-Charge	Yes – Thermally compensated	Yes – Thermally compensated
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery	On Battery, Replace Battery, Missing Battery, Low Battery
<b>PHYSICAL</b>		
Maximum Dimensions (L*W*D)	16.8cm x 18.5cm x 8.1cm	16.8cm x 18.5cm x 8.1cm
Weight (kg)	3.13 (with battery)	3.13 (with battery)
<b>ENVIRONMENT</b>		
Operating Temperature	32°F – 104°F (0°C – 40°C)	32°F – 104°F (0°C – 40°C)
Operating Humidity	0 – 95% Non-condensing with enclosure	0 – 95% Non-condensing with enclosure
Max Operating Elevation	10,000 ft. (3,000 m)	10,000 ft. (3,000 m)
Max Storage Elevation	50,000 ft. (15,000 m)	50,000 ft. (15,000 m)
Storage Temperature	-4°F – 113°F (-20°C – 45°C)	-4°F – 113°F (-20°C – 45°C)
<b>COMPLIANCE</b>		
System	UL60950-1 2nd Edition, FCC Part 15 Class B, CISPR 22 Class B	UL60950-1 2nd Edition, FCC Part 15 Class B, CISPR 22 Class B
<b>VARIANTS</b>		
North America (NEMA 5-15)	DTC36U12V-NA3	DTC36U12V-NA3-G
United Kingdom (BS 1363)	DTC36U12V-UK3	DTC36U12V-UK3-G
European Schuko (CEE 7)	DTC36U12V-SC3	DTC36U12V-SC3-G
Australian/New Zealand (AS/NZS)	DTC36U12V-AZ3	DTC36U12V-AZ3-G
Brazil (NBR 14136)	DTC36U12V-BZ3	DTC36U12V-BZ3-G