



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

The DT30U12V 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 DT30U12V 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 DT30U12V 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.

DT30U12V Highlights

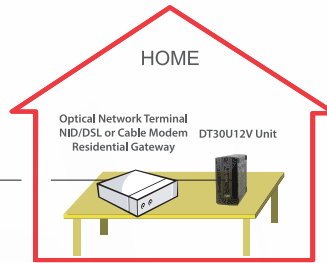
- Designed for desktop use
- Compact design saves installation space
- Visual indicators and audible alarm provide quick unit status
- Emergency cold start function
- Easy user-replaceable batteries

Local Powering Solution

- Cable Telephone
- Wireless Local Loop
- VoIP and VoDSL
- Fiber to the Home
- Fiber to the Desk
- 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	DT30U12V		DT30U12V3	DT30U12V3-G
AC INPUT				
Input Voltage Range	90 – 264Vac			
Input Frequency Range	47 – 70Hz			
Input Power Cord	IEC320 / C7, 2-Prong Cord		IEC320 / C5, 3-Prong Cord	
Output Ground Reference	Floating Ground			Grounded
DC OUTPUT				
On Battery Output Voltage	12Vdc with Over Voltage Protection			
Continuous Power Capability	30W			
Output Power Max	30W			
Efficiency (at Full Load)	> 80% @ Line Mode, > 90% @ DC Mode			
BATTERY				
Battery Type	Sealed, Maintenance Free Lead-Acid Battery			
Numbers of Battery	7.2Ah / 12V x 1			
Typical Recharge Time	14 Hours (90% Charged)			
Replaceable	Yes			
SURGE PROTECTION & FILTERING				
Lightning / Surge Protection	Yes (6kV @ 8/20µs) per IEEE C62.41.2 and GR-1089			
WARNING DIAGNOSTICS				
Audible Indicator	Utility Failure, Low Battery			
LED Indicators	System Status, DC, Mute, Battery			
MANAGEMENT				
Auto-Charge	Yes – Thermally compensated			
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery			
PHYSICAL				
Maximum Dimensions (L*W*D)	16.76cm x 18.54cm x 8.13cm			
Weight (kg)	3.25 (with battery)			
ENVIRONMENT				
Operating Temperature	-4°F – 113°F (-20°C – 45°C) at full power Operation at 50°C (122°F) with derating to 24W			
Operating Humidity	0 – 95% Non-condensing			
Max Operating Elevation	10,000 ft. (3,000 m)			
Max Storage Elevation	50,000 ft. (15,000 m)			
Storage Temperature	-4° – 113°F (-20°C – 45°C)			
COMPLIANCE				
System	UL60950-1 2nd Edition, FCC Part 15 Class B			
VARIANTS				
North America (NEMA 1-15)	DT30U12V	–		–
North America (NEMA 5-15)	–	DT30U12V-NA3	DT30U12V-NA3-G	
European Schuko (CEE 7)	–	DT30U12V-SC3	DT30U12V-SC3-G	
Australian/New Zealand (AS/NZS)	–	DT30U12V-AZ3	DT30U12V-AZ3-G	
United Kingdom (BS 1363)	–	DT30U12V-UK3	DT30U12V-UK3-G	
Brazil (NBR 14136)	–	DT30U12V-BZ3	DT30U12V-BZ3-G	
Special Order	–	–	DT30U12V-NA3-G-SB	

Please 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.