

NEO-Double Barrel

NEO-Double Barrel Indoor UPS



The NEO indoor uninterruptible power supply for FTTh – “your next generation UPS” – is the most technologically advanced telecommunications 12Vdc UPS in the world today. Designed for performance, durability, reliability, and ease of service, the NEO indoor UPS has the lowest TCO in the industry. Our 8Ah battery sets a new standard for FTTh 12Vdc UPS, delivering more standby power thanks to our new Thermo-Amp Technology. Our advanced onboard firmware calibrates voltage to the battery according to ambient temperature fluctuations, charging the battery precisely and accurately and thus extending its life. The NEO Indoor UPS also has numerous design features for flexible installation, ease of service, and fewer service calls. Add up the NEO Indoor benefits; small footprint, higher performance, longer life, and service optimization, and the result is the industry’s lowest lifetime cost for FTTh 12Vdc UPS.

- Save up to 50% of 12Vdc UPS operating expense
- Provides power to both the ONT and Wi-Fi router
- Up to 7 hours of Internet service
- Convenient barrel jack output connectors for plug and play
- 6-8 year battery design life
- Advanced Thermo-Amp technology for precise temperature-compensated charging to extend battery life
- Advanced diagnostics algorithm for accurate determination of battery status
- Modular components for easier service, including swappable fuse and electronics
- Field-ready design: AC-DC conversion at the outlet, up to 115’ power cable for flexible installation
- Warranties: 6 years battery (4 full, 2 prorated) – industry-best. 3 years electronics

NEO Indoor UPS Specifications

Input	
AC Input Voltage	120Vac
AC Input Frequency	50/60 Hz
Plug Type	2 prong ungrounded
Output	
Output Power, Operational	30W max. continuous
Output Voltage	12-14.5Vdc Nominal
Output Connector Alarm	2 - 2.5 x 5.5mm barrel jacks



Battery	
Type	8Ah lead acid, maintenance-free, leak-proof
Design Lifespan	8 years
Runtime	Up to 14 hours, depending on the load

Battery charging circuit	
Type	Advanced Firmware with Temperature Compensated Charging

Thermo-Amp Technology	
Precise charging	Based on ambient temperature providing maximum battery lifespan
Load Testing	Advanced auto-test algorithm
Frequency	45 days

Diagnostics: System LED	
Green	Normal status: commercial power available
Green Flashing	Battery is in Test Mode
Yellow Flashing	Input not present, battery discharging
	> 1 per second > 66% battery
	> 2 per second 33%-66% battery
	> 3 per second < 33% battery
Red	Replace battery: failed self-test
Red Flashing	Battery missing
Red - Yellow	Temperature above +150°F
All three flashing	Short-circuit between UPS and load device

Physical	
Unit Dimensions	NEO - 5.25H x 6.25W x 3D (in./approx)
Unit Weight	7.6 lb. / 3.4 kg (with battery)
AC/DC Converter	At AC outlet
Power Cable	16 gauge up to 115 ft long for mounting flexibility
Modular Design	Swappable circuit board, fuse, battery

Environment	
Operating Temperature Electronics	0°C to +50°C (32°F to + 122°F)
Operating Temperature Battery	-40°C to +65°C (-40°F to + 149°F)
Operating Humidity	0% to 95%

Safety compliance	
System:	Safety: UL60950-1 2nd edition Emissions: FCC 47 CFR Part 15 Class B

Warranties	
Electronics	3 Years
Battery	6 Years - 4 yrs full + 2 prorated <i>Evidence of tampering may void warranty</i>

**Bold indicates industry-best*

