

## 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 fl exible 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 fl exible installation
- Warranties: 6 years battery (4 full, 2 prorated) – industry-best. 3 years electronics

# NEO Indoor UPS Specifications

<b>Input</b>	
AC Input Voltage	<b>120Vac</b>
AC Input Frequency	<b>50/60 Hz</b>
Plug Type	2 prong ungrounded

<b>Output</b>	
Output Power, Operational	<b>30W max. continuous</b>
Output Voltage	<b>12-14.5Vdc Nominal</b>
Output Connector Alarm	2 - 2.5 x 5.5mm barrel jacks



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

<b>Battery charging circuit</b>	
Type	<b>Advanced Firmware with Temperature Compensated Charging</b>

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

<b>Diagnostics: System LED</b>	
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	<b>Short-circuit between UPS and load device</b>

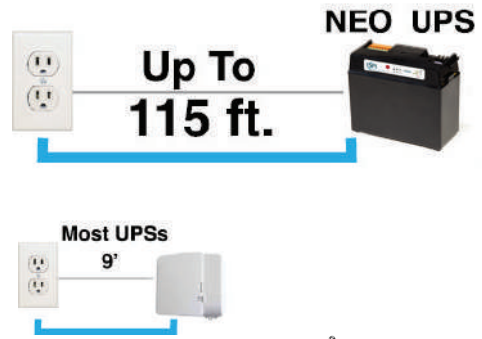
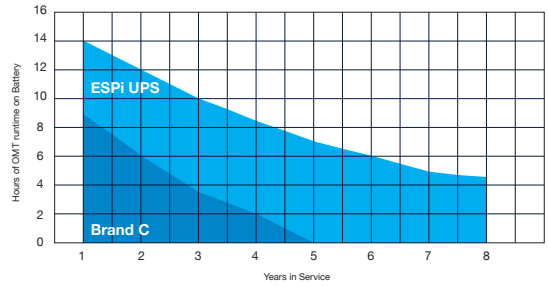
<b>Physical</b>	
Unit Dimensions	NEO - 5.25H x 6.25W x 3D (in./approx)
Unit Weight	7.6 lb. / 3.4 kg (with battery)
AC/DC Converter	At AC outlet
Power Cable	16 gauge up to 115 ft long for mounting flexibility
Modular Design	Swappable circuit board, fuse, battery

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

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

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

\***Bold indicates industry-best**



Or use an optional desktop power supply to make installation even easier.

