

RF over Glass (RFoG)

PS1811U-01

12 V_{DC} Indoor Un-interruptible Power Supply for RFoG R-ONUs

FEATURES

- 12 V_{DC} 8 Watt indoor un-interruptible power supply
- Telecommunications grade power system for Radio Frequency over Glass (RFoG) applications
- 7.2 Amp-hour replaceable battery (ordered separately)
- Battery management system provides optimum service life and runtime
- Visual and audible alarms
- Aesthetically pleasing compact housing
- Simple wall-mount design
- Supports ARRIS's "OBI-free" R-ONU CPE



PRODUCT OVERVIEW

ARRIS PS1811U-01 RFoG Power Supply meets the telecommunications industry's most stringent requirements while providing an aesthetically pleasing solution for indoor residential installations. It includes an on-board microprocessor and firmware engineered to achieve maximum battery life and system reliability for supporting ARRIS RFoG ONUs (R-ONUs).

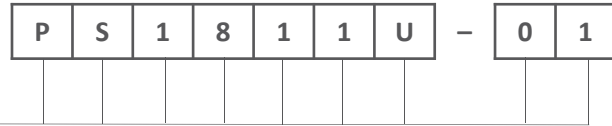
Standby 12 V_{DC} power is provided by a 7.2 Ah (Amp-hour) battery option (ordered separately), optimized by a battery management system.

User interfaces include visual status indicators, audible alarm, a startup button, and a multifunction silence button.

SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	6.6 x 7.5 x 3.28 in (16.7 x 19.0 x 8.33 cm)
Weight without battery	1.2 lb (0.54 kg)
Weight with 7.2 Ah battery	5.7 lb (2.6 kg)
Environmental	
Operating temperature range	-20° to +45°C (4° to 113°F)
Storage temperature range	-20° to +45°C (4° to 113°F)
Humidity	5% to 95% non-condensing
AC Power Requirements	
Input Voltage	100 to 240 V
Input Frequency	50/60 Hz
Surge Protection	Telecordia GR-1089; ANSI/IEEE C 62.41; IEC 61000-4-5
Surge Protection Level	1.2 x 50 ms combination wave, 2 kV
Power Interface	
AC Input	IEC 60320 C-6
AC Line Cord	<ul style="list-style-type: none"> Supplied with mating 3 ft. long cord with NEMA 5-15 plug Optional mating 1 m CEE 7/16 (Europlug) cord
DC Output	F-type female
DC Power Specifications	
Operational Output Voltage	12 V _{DC} nominal (battery voltage upon loss of AC)
Operational Output Power	8 Watts continuous, maximum
Visual (LED) Indicators	
AC Power	<ul style="list-style-type: none"> Green LED ON: AC power present and powering the ONU
Battery	<ul style="list-style-type: none"> Green LED ON: Battery powering the ONU during AC loss Green LED FLASHING: Battery is powering ONU during AC loss and battery is running low
Replace Battery	<ul style="list-style-type: none"> Red LED OFF: Battery present and working correctly Red LED ON: Replace battery or battery is missing
Muted Indicator	<ul style="list-style-type: none"> Green LED ON: Audible alarm is muted
Audible Status Indicators	
Loss of Input Power	Single chirp, one second
Low Battery	Single chirp every 15 seconds at 25% SOC
Replace Battery	Double chirp spaced fifteen minutes apart
Push Buttons	
DC Start	Press and hold when unit is off to start up on battery when AC is not present
Silence Alarm	When any audible alarm is on, press at least 1 second and release to silence the audible alarm until power is cycled
Regulatory and Safety	
	FCC Part 15 Class B
	US\CA (60950-1)
	CE Mark
	C-Tick/RCM
7.2 Ah AGM Backup Battery Details	
Approximate run-time	10 hrs @ 6 W, to 25% reserve point shut-off, based on new, fully-charged battery
Hot-swappable	
Recharge time	18 hours to 90%
Battery type	Maintenance free, leak-proof, sealed valve regulated lead acid (VRLA)
Battery storage	-20° to +40°C (-4° to 104°F), six months maximum storage duration at +25°C (+77°F) without a recharge
Battery order part number	PS1801B-00

ORDERING INFORMATION



100-240 VAC-12 VDC 8 Watt UPS

RELATED PRODUCTS

CP80xx, CP85xx SDU/MDU RFoG ONUs (R-ONUs) NC4000/NH4000/VHub Platforms

OR4xxx Optical Receivers DT4250 Digital Transceivers

DR3450 Digital Receivers

Customer Care

Contact Customer Care for product information and sales:

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Note: Specifications are subject to change without notice.

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