FEATURES

- Compatible with PACOM 8002 & 8003 Controllers

- Provides low voltage, battery failure, battery charger failure & AC fail alarms

- Configured, controlled and monitored remotely

- Universal AC input

- Battery testing and charging

- PSU temperature monitoring

- Auto-switching to backup battery DC or UPS on AC fail

- Overload and short-circuit protection

- Deep discharge protection for backup batteries

- Battery charging at a maximum rate of 3.0A

- 5 independent outputs

- 100W of power

- Temperature compensated battery charging

- IEC320 C13 receptacle

The PACOM 8308 Intelligent Uninterruptible Power Supply (UPS) provides a regulated 10.5 to 17.5VDC supply for powering controllers, peripheral devices and charging backup batteries. It can be remotely configured, controlled and monitored by PACOM Security Managment Software. A PACOM Controller acts as an interface to the 8308 UPS via RS485.

The 8308 UPS features a universal AC input for use anywhere in the world without modification or configuration and has protection against overload and short-circuits, and battery deep discharge.

In conjunction with the PACOM 8002 and 8003 Controllers, the 8308 UPS can:

- publish real-time status of backup batteries to the system
- monitor battery voltages, power supply voltages and temperature (internal enclosure temperatures)
- notify the security system if any monitored parameters fall outside configured limits
- load test the batteries every 24 hrs (or as defined by the user) during normal operation.

The PACOM 8308 Uninterruptible Power Supply (UPS) powers the 8002 and 8003 Controllers, charges the backup batteries for the controller and can be remotely controlled and monitored by the PACOM Security Management Software.

TECHNICAL SPECIFICATIONS

ELECTRICAL

Mains Supply	100 to 240VAC @ 50/60Hz
Output Voltage	10.5 to 17.5VDC (15VDC nominal) @ 6.0A
Voltage Adjusted Range	± 5% of rated output voltage
Output Ripple	<120mV
Output Current	6.7A maximum
Over Current Protection	110 to 150% of rated output current
Over Voltage Protection	18.75 to 21.75V
Current Consumption	40mA typical, PCB only
Output Power	100W
Low Voltage Fault	Configurable from 0 to 24.5VDC using PACOM Management Software. **Note:** For EN 50131-6 compliance, this value must be kept at 11.5.
Fuse	**F1**: AC input circuit, 3.15A slow blow glass type 5 x 20mm (0.197 x 0.787")

BATTERY

Battery Capacity	1 x 7 to 45Ah **Note:** For EN 50131-6 compliance, this value depends on the security grade, which specifies backup battery duration and recharge time.
Type (recommended)	Maintenance-free sealed lead-acid, 10+ year high performance
Charging Current	1.75 to 3A depending on battery capacity
Low Voltage Fault	11.0V @ supply output
Deep Discharge Cutoff	10.5V @ supply output
Minimum Acceptable Energy Level	90%

ENVIRONMENTAL

Class	II
Operating Temperature	-10 to +55°C (14 to 131°F)
Maximum Humidity	95% (non-condensing) @ 40°C (104°F)

PHYSICAL

Enclosure Construction	Steel (ventilated)
Dimensions	174 x 112 x 86mm (6.9 x 4.4 x3.4")
Packed Weight	1235g (43.6oz)

STANDARDS

Security	Type A power supply unit, 6kVAC transient protection for UL

FIRMWARE VERSION COMPATIBILITY

8002 Controller	v1.23 or later
8003 Controller	v1.11 or later

COMPLIANCE & ACCREDITATION

EN-50131-6: 2017 Security Grade 4 as certified by BRE Global
(UL: UL603, UL 294 (Line Security: III, Attack:III, Endurance:IV. Standby Power: III), S318 installed in accordance with NFPA 70-NEC and Canadian Electrical Code, Part 1).
All power supplies are required to have recharge periods to provide standby power for the following end-use applications (NPP, model NP12-8AH 128AH):

- UL 1076: 4 hours at 2.75A using 2 x 8AH batteries (48 hours recharge)
- UL 1610, S304: 24 hours at 1.25A using 3 x 8AH batteries (24 hours recharge)
- UL 294: 2 hours at 4.1A using 2 x 8AH batteries (48 hours recharge)

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 042 008*	8308R-01	8308 UPS Intelligent Power Supply
300 042 018*	8308R-01-UL	8308-UL UPS Intelligent Power Supply

* Power cables with a standard power plug must be sourced locally.