

DATASHEET

8303 MONITORING POWER SUPPLY UNIT



MAIN FEATURES

- ▶ Compatible with PACOM 8001, 8002, 8003 Controllers
- ▶ Provides low voltage, battery failure, battery charger failure and 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

The PACOM 8303 Monitoring Power Supply Unit powers the 8001/2 and 8003 Controllers, charges the backup batteries for the controller and can be remotely controlled by the PACOM security management software.

PACOM 8303 MONITORING POWER SUPPLY UNIT

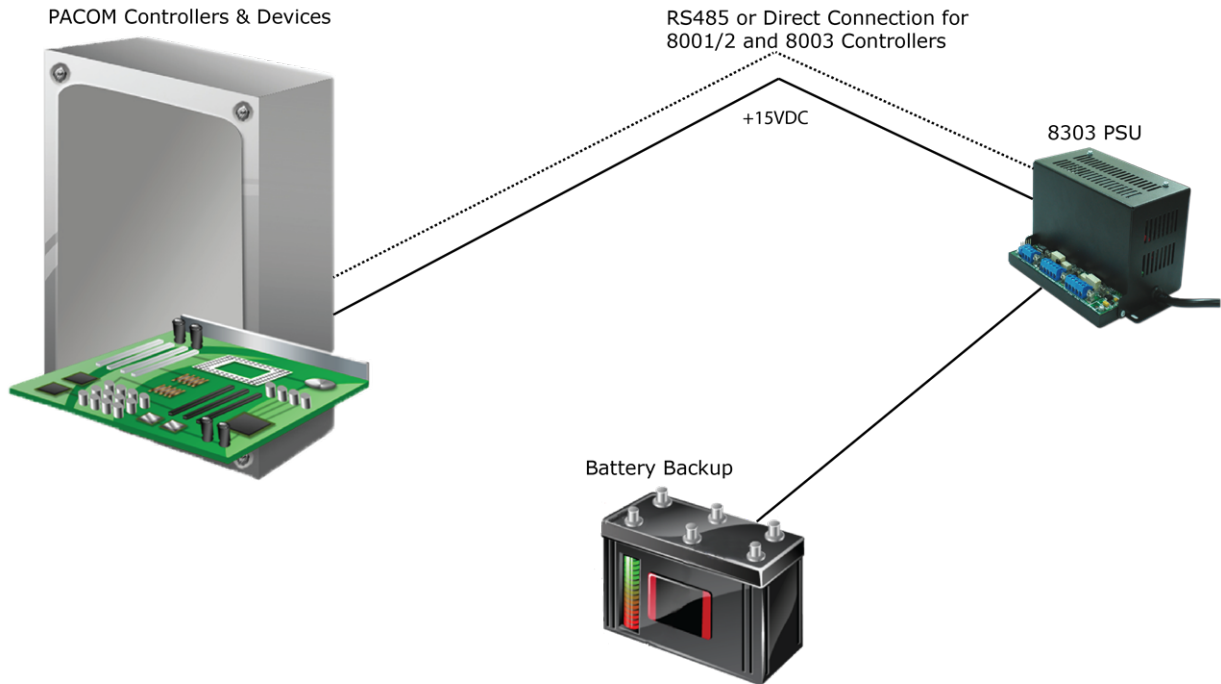
The PACOM 8303 monitoring power supply provides a regulated 12 to 15V DC supply for powering controllers, peripheral devices and charging backup batteries. The power supply unit can be remotely configured, controlled and monitored by PACOM security management software. A PACOM controller acts as an interface to the 8303 via RS485.

The 8303 features a universal AC input for use anywhere in the world without modification or configuration and has protection against overload and short-circuits, battery deep discharge and incorrect polarity. The 8303 has a built-in battery charger, two power outputs and can also power an RS485 device line.

In conjunction with the PACOM 8001/2 and 8003 controllers, the 8303 can:

- publish real-time status of backup batteries to the system,
- monitor battery voltages, power supply voltages and temperature,
- notify the security system if any monitored parameters fall outside specified limits,
- periodically load test the batteries during normal operation

The temperature monitoring capabilities of the 8303 allow you to record internal enclosure temperatures that can be useful in system management, maintenance and troubleshooting.



TECHNICAL SPECIFICATIONS

Dimensions	174 x 112 x 96mm (6.9 x 4.4 x 3.8")
Weight	1054g (37.2oz)
Enclosure	Steel (ventilated)
Input Voltage	90-260V AC (auto-switching universal input)
Power Output	15V DC $\pm 10\%$ 3A
Power Consumption	40mA (typical), PCB only
Battery Charger	800mA
Fuses	5A, 2A, 4A (Main, Auxiliary, Battery)
Frequency	50/60Hz
Operating Environment	-10 to 55°C (14 to 131°F) 30 to 93% $\pm 2\%$ relative humidity (non-condensing) @ 40°C (104°F)
Communications	RS485 multi-drop device line to PACOM Controller (or direct to 8001/2 and 8003 Controller)

COMPLIANCE/ACCREDITATION

AS/NZS CISPR22:2006 Class B | AS/NZS 60950.1:2003 INC. AMDTS 1,2&3 | EN55032 | EN50131-6 | EN61000-3-2:2006
 EN60950-1:2006 +A1:2010 +A11:2009 | EN 50131-3:2009 in conjunction with EN 50131-1:2006+A1:2009
 EN 50131-6:2008+A1:2014 | EN 50130-4:2011+A1:2014 | EN 50130-5:2011 | EN 50131-10:2014 | EN61000-3-2:2006
 EN 50136-2:2013 in conjunction with EN 50136-1:2012 | EN61000-3-3:1995 including amendments 1 & 2
 EN61000-3-2:2006 | FCC Title 47 Part 15 Subpart B Class B | ULC-S318-96 (US/Canada model)UL603 (US/Canada model)
 RoHS | China RoHS | C-Tick | CE Safety

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 042 003	PD8303R-01	8303 Monitoring Power Supply Unit
300 042 004	PD8303R-01-UL	8303 Monitoring Power Supply Unit (US/Canada only)