

## 2.1.5 PU-A0007-1 Drawer with Slots

### Description

It is a 19 inch rack that can contain a PU-A0009-1 battery charger module and up to four PU-A0008-1 power supply modules. It features ventilation, consisting in three fans with a diameter of 120 mm. The terminal blocks for power supply and status replication connection are located on slot back.

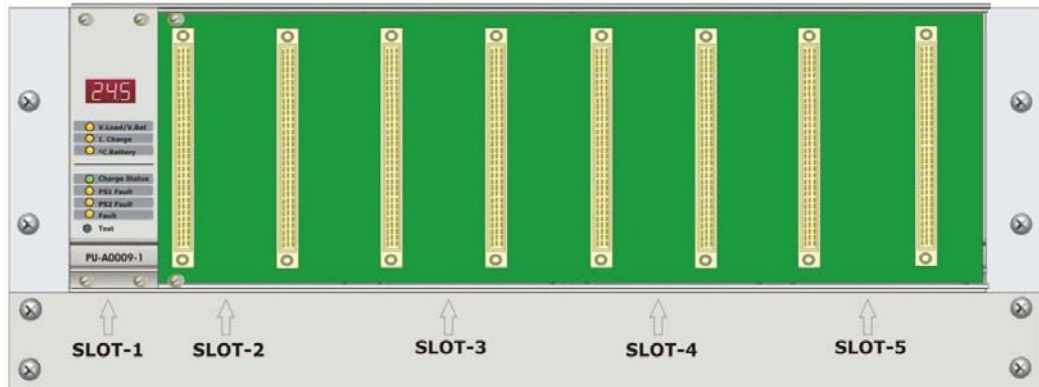


Figure 2.4 S81-PU002 Power Supply Set Slot

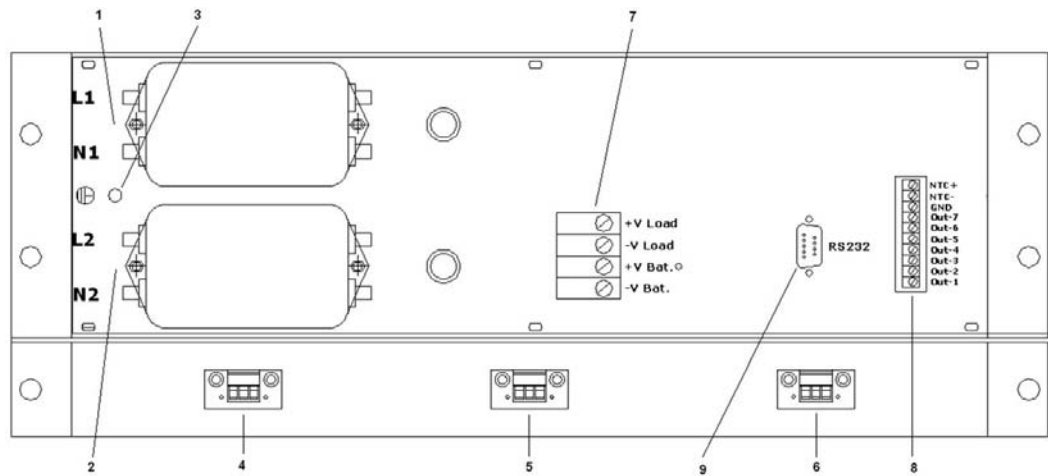


Figure 2.5 S81-PU002 Power Supply Set Connections

**Internal connections**

Line- 1 input voltage

Tag	Faston	Name	Function
1	F1	L1	Primary power supply 1 phase
	F2	N1	Primary power supply 1 neutral
	F3	PE1	Primary power supply 1 earth

Line- 2 input voltage

Tag	Terminal	Name	Function
2	F1	L2	Primary power supply 2 phase
	F2	N2	Primary power supply 2 neutral
	F3	PE2	Primary power supply 2 earth



**NOTE:** The PU-A0008-1 modules installed in slot 2 and 3 are connected to line 1 network input. The PU-A0008-1 modules installed in slot 4 and 5 are connected to line 2 network input.

Main earth

Tag	Screw	Name	Function
3	V1	PE	Rack earthing

Cooling fans

Tag	Terminal	Name	Function
4-5-6	M1	S	Fan speedometer signal
	M2	-V	Fan power supply negative
	M3	+V	Fan power supply positive

Output voltage

Tag	Terminal	Name	Function
7	M1	+VLOAD	Supply voltage positive
	M2	-VLOAD	Supply voltage negative
	M3	+VBAT	Battery positive
	M4	-VBAT	Battery negative

## Open collector replications

Tag	Terminal	Name	Function
8	M1	PSU1-Fault	Primary power supply failure
	M2	PSU2-Fault	Secondary power supply failure
	M3	Fault	Internal failure
	M4	Battery status	Battery status (charge/supply)
	M5	Charge Status	Battery charge status (full charge/trickle charge)
	M6	Rip.1	Programmable output
	M7	Rip.2	Programmable output
	M8	GND	External temperature probe display
	M9	+S	External temperature probe positive
	M10	-S	External temperature probe negative

## RS 232

Tag	Pin	Name	Function
9	1	N.C.	Not used
	2	Txd	RS232 data transmission
	3	Rxd	RS232 data reception
	4	N.C.	Not used
	5	GND	RS232 common
	6	N.C.	Not used
	7	N.C.	Not used
	8	N.C.	Not used
	9	N.C.	Not used