

# Power System

## DPS 850B-48-4

### Description

The DPS-850B-48-4 horizontal airflow power system is designed for –48 volt applications requiring between 15 amps and 60 amps where power, controller, and distribution are contained in a single small package. Flexible power levels are achieved by support of both

The system includes SNMP controller (PSC3), four rectifier positions, integrated DC distribution, and low voltage disconnect (LVD) option.

### Main features

- Power up to 60 amps (3.4 kW), high power density
- 19" system – 1U high – 10" depth
- 19" or 23" mounting
- Distribution (rear access)
  - Circuit Breakers: 1 battery / 1 load
  - 10 GMT fuse positions
- Wide AC input range – 80-300 VAC
- Optional low voltage disconnect (LVD)
- Dual AC feed (IEC)
- Flush mount or mid mount
- Full feature SNMP controller (PSC3)

### Applications

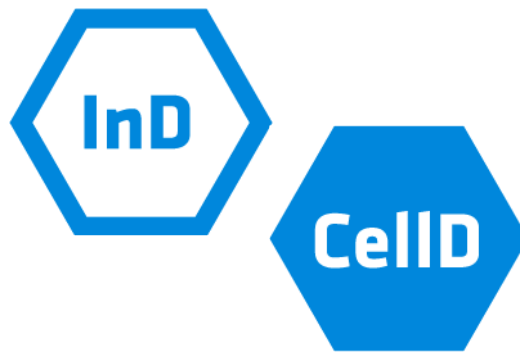
- Outside Plant (OSP)
- Broadband
- -48 volt Wireless
- Customer Premise



*Our product portfolio includes both indoor and outdoor power systems building on extensive R&D, modular production and customization. InD and OutD categories with CellD, MidD and CabD series can meet any of your size and location requirements.*

*CellD systems are small enough to fit into various applications. The products in this series are particularly for installations where space is limited. The power range of CellD series is typically 6 amps to 200 amps.*





## Technical specifications

1. Input	
AC connection	Single Phase
Voltage range	80 - 300 V <sub>AC</sub>
Frequency range	45 - 66 Hz
AC Connection	Dual IEC 320-C14 feed

2. Output	
Voltage range	42 - 58 V <sub>DC</sub> ; 54 V <sub>DC nom</sub>
Power (Shelf)	60 amps
Power (Rectifier)	850W @ 208VAC input 550W @ 120VAC input
Efficiency	95.2%
Voltage Regulation	±1% over line, load, and temperature
Current Share	±5% of the full capacity of the rectifier
LVD	Optional
Circuit Breakers – rear wire	1 load and 1 battery
Fuse Distribution – rear wire	10 GMT

Ordering information	
ESEA60-HCA01	19" System with LVD
ESEA60-HCA02	19" System – no LVD
TBD	10 ft. IEC AC cable – C13 to N5-15
TPS1010004A-PML-S	DPR850B 15A Rectifier

3. General	
Height, overall	1.75 inches
Width	19 inches
Depth, overall	10 inches
Weight, - system	9.5 lbs.
Weight – rectifier (ea.)	1 lb
Efficiency	≥ 95 %
Operating temperature	-40 to +75 °C
Relative humidity	95 % max, non cond.
Safety	UL60950 / UL1801 / UL1950
Radiated Emissions	FCC Part 15, Subpart B, Class B
NEBS	NEBS Level 3 (pending)
Controller	PSC 3
Rectifier	DPR850B

Subject to change without notice.



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