






PVF800 POWER SUPPLY MODULE

PVF800 Power Supply Module

A compact and reliable DC power supply. Suitable for various power supply systems and for charger usage.

-  Output power 800 W
-  Output voltages 12, 24, 36, 48, 72, 110 Vdc
-  Suitable for power supply and backup use

Applications:

- Backup systems
- Power supply systems
- Surface treatment



Protection for cybersecurity threats is implemented according to the IEC 62443-4 for security class 1 and device type embedded. The requirement for the local secure operation environment applies (system level). This device supports TCP/IP/Ethernet based wired digital communication. Wireless communication is not implemented. This device does not process or store sensitive information. For cybersecurity related inquiries, and reporting vulnerabilities or incidents, please contact cert@ellego.fi



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Voltage versions

Nominal voltage	Voltage adjustment range	Current limit	Maximum power
12 Vdc	0-18 Vdc	0-50 A	800 W
24 Vdc	0-36 Vdc	0-30 A	800 W
36 Vdc	0-54 Vdc	0-20 A	800 W
48 Vdc	0-72 Vdc	0-15 A	800 W
72 Vdc	0-108 Vdc	0-10 A	800 W
110 Vdc	0-144 Vdc	0-7,5 A	800 W

Technical specifications

Electrical characteristics:	
Input voltage	55...250 Vac (55...200 Vac reduced power) 78...340 Vdc (78...200 Vdc reduced power)
Input current	4,5 A (max)
Frequency	47-63 Hz
Efficiency	>85-90 % (230 Vac, 10-100 % load)
Power factor	> 0,98
Output ripple (f>50hz)	< 50 mV rms
Protection	6.3 A fuse inside the module
Mechanical characteristics:	
Weight	1,6 kg
Dimensions, maximum (L x W x H)	220 x 112 x 73 mm
Enclosure	IP20
Operating environment:	
Operating temperature range	0 °C ... +50 °C
Cooling	Temperature-controlled fan
Standards:	
EMC	EN55022B, EN50081-1, EN50082-2
Safety	EN60950-1:2005, EN60335-2-29:2004 +A2:2010
Control options:	
1) External voltage and current control and measure 0...5 Vdc (max 20 mA)	
2) Battery charging table	
3) Output control adjustment with trimmers	
4) Temp.compensation charging, sense as an option	
5) Master-Slave connection option	