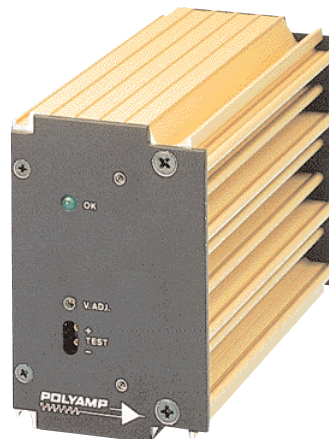


PSE250 Series

150 - 250 WATTS DC/DC SINGLE OUTPUT

Features

- Under voltage logic alarm.
- Conformally coating, tropic.
- Reverse input voltage protection.
- High efficiency.
- Fully enclosed, meets IP30 standard.
- Convectional cooled.



Specifications

INPUT

Voltage	See table
Reverse voltage protection	Yes.
Isolation	Input – Output: 2.5kVac / 4kVdc Input – Case: 2.5kVac / 4kVdc Output – Case: 2kVdc

OUTPUT

Voltage	See table.
Current	See table.
Source regulation	0.2%.
Load regulation	0.2% (0-100% load)
Output ripple (100kHz)	10mV p-p (typical)
Voltage adjustment	90% - 110%.
Current limit protection	105%.
Under voltage logic alarm	90% of nominal output.
Soft start	Yes.
Start-up time	1s.
Hold-up time	2-10ms
Efficiency	>88%

ENVIRONMENTAL

Operating temperature	-25°C to +70°C (100% load, O/P > 10V). -25°C to +55°C (100% load).
Temperature coefficient	0.02% / °C.
Storage temperature	-40°C to 85°C.
Conformal coating	Conformal coated to withstand non-condensing tropical environment.

MECHANICAL

Mechanical dimensions	PSE150, PSE200 3U x 8TE x 167mm PSE250 3U x 10TE x 167mm
Weight	0.8.5kg

GENERAL

Cooling	Convectional cooling.
Optional features	<ul style="list-style-type: none">- Overvoltage protection, option A. The output voltage is limited to 15% nominal output voltage. A thyristor short-circuits the output.- Undervoltage alarm with relay, option B The logic alarm output is replaced with a relay with selectable alarm logic NO or NC.- Built in series diode, option C. A series diode on the output, when output is connected in parallel with other power supplies to achieve redundancy. Output power is derated by 20%.- Remote sense, option S. The voltage sensing can be put at the load to compensate for voltage drop.- Inrush current limit with NTC, option H Only for C -input code. Reduce the inrush current during the start up. The input voltage range will be affected.- 2.5kVac isolation input/case, option E1. On 24, 36 & 48V inputs The emission level increase to level A.- 2.5kVac isolation output/case, option E2. The emission level will increase to level A.- Train input, option T. Input voltage range according to train Standard EN50155 and IEC 60751.- Euro panel, option L 8TE for PSE 150 & PSE 200, 10TE for PSE 250.- Wall mounting panels, option N. Wall mounting panel with connector holder The female connector has to be chosen.- H15 screw type female, H15-S- H15 fast-on 6.3mm female, H15-T- Din rail TS35 clips, option Q.

STANDARDS

Safety	IEC60950-1: 2001
EMI standards	EN55011/EN55022 class B, IEC/EN61000-6-2,
C-Tick	AS/NZS CISPR11: 2002 Group1 Class A
EMC standards	EN61000-6-2, EN/IEC61000-4-4, EN61000-4-5

PSE250 Series

150 - 250 WATTS DC/DC SINGLE OUTPUT

Selection Table

MODEL NUMBER	INPUT	OUTPUT		COOLING	POWER
PSE150 24/12	20-32V	12V	12.5A	Convection	150W
PSE150 24/13.2	20-32V	13.2V	11.3A	Convection	150W
PSE150 24/15	20-32V	15V	10.0A	Convection	150W
PSE200 24/24	20-32V	24V	8.3A	Convection	200W
PSE250 24/24	20-32V	24V	10.4A	Convection	250W
PSE200 24/48	20-32V	48V	4.1A	Convection	200W
PSE250 24/48	20-32V	48V	5.2A	Convection	250W
PSE150 48/12	41-60V	12V	12.5A	Convection	150W
PSE150 48/13.2	41-60V	13.2V	11.3A	Convection	150W
PSE150 48/15	41-60V	15V	10.0A	Convection	150W
PSE200 48/24	41-60V	24V	8.3A	Convection	200W
PSE250 48/24	41-60V	24V	10.4A	Convection	250W
PSE200 48/48	41-60V	48V	4.1A	Convection	200W
PSE250 48/48	41-60V	48V	5.2A	Convection	250W
PSE150 110/12	93-150V	12V	12.5A	Convection	150W
PSE150 110/13.2	93-150V	13.2V	11.3A	Convection	150W
PSE150 110/15	93-150V	15V	10.0A	Convection	150W
PSE200 110/24	93-150V	24V	8.3A	Convection	200W
PSE250 110/24	93-150V	24V	10.4A	Convection	250W
PSE200 110/48	93-150V	48V	4.1A	Convection	200W
PSE250 110/48	93-150V	48V	5.2A	Convection	250W
PSE150 220/12	185-300V	12V	12.5A	Convection	150W
PSE150 220/13.2	185-300V	13.2V	11.3A	Convection	150W
PSE150 220/15	185-300V	15V	10.0A	Convection	150W
PSE200 220/24	185-300V	24V	8.3A	Convection	200W
PSE250 220/24	185-300V	24V	10.4A	Convection	250W
PSE200 220/48	185-300V	48V	4.1A	Convection	200W
PSE250 220/48	185-300V	48V	5.2A	Convection	250W

Technical Illustrations

