

DIN-rail Power Supply Unit PS-260

- **PSU for demanding edge network applications**
 - Perfect companion for PoE-products
 - Compact, slim design catering for space savings
 - Rigorously tested and approved to several demanding industry standards
- **Powerful and efficient**
 - Impressive power budget of 260 W
 - Power boost up to 20 %
 - Adjustable power output of 48-56 VDC
- **Robust and reliable**
 - Unique 1500 VAC output to ground isolation for PoE standard fulfillment
 - High immunity to transients, power surges and electromagnetic emission
 - Wiring is secured with screw connectors, for safe and reliable installation



EN 50121-3-2
Rolling Stock

EN 50121-4
Railway Trackside

EN 61000-6-2
Industrial Immunity

EN 61000-6-4
Industrial Emission

EN 61010-1
Safety Industrial Equipment

The PS-260 is a reliable and compact DIN-rail mountable power supply optimized for Power over Ethernet applications. It is built to match Westermo's reputation for robust and reliable products and is ideally suited for powering Westermo's Lynx-3510-PoE. Its compact form factor occupies only 39mm of the DIN-rail, leaving room for more mission-critical equipment.

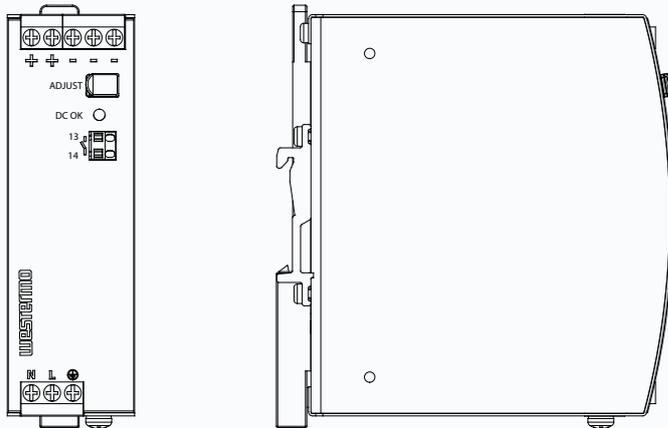
The PS-260 supports wide input voltage ranges, both AC and DC, making it compatible with most applications and scenarios. With a 260 W power budget, it provides high flexibility for various load scenarios. Whether the need to power a single high-end PoE switch or multiple switches, the PS-260 is a helpful companion.

The PS-260 units are high-end power supplies offering premium quality, reliability, and performance. Its outstanding features include high efficiency, advanced inrush current limitation, active PFC, and a wide operational temperature range. With PowerBoost, the PS-260 can provide power reserves of up to 20 %.

In addition to its impressive power capabilities, the PS-260 also offers high immunity to transients and power surges, low electromagnetic emissions, a DC-OK relay contact, and a large international approval package for a variety of applications. All of these features make the PS-260 suitable for nearly every situation. Choose the PS-260 for a reliable and flexible power supply solution.

Specifications - PS-260

Dimensional drawing



General data

Dimensions (W x H x D)	39 x 124 x 117 mm
Weight	0.6 kg
Housing	Full metal (aluminum alloy and zinc-plated steel)

Input power data

Rated input voltage	100 to 240 VAC, 50 to 60 Hz 110 to 159 VDC
Operating input voltage	85 to 264 VAC, 47 to 63 Hz 88 to 180 VDC
Rated current (5,4 A at 48 VDC output)	2.82 A at 100 VAC 2.32 A at 120 VAC 1.2 A at 230 VAC 2.51 A at 110 VDC
Hold up time	34 ms at 120/230 VAC
Inrush current	9 A peak at 100 VAC 6 A peak at 120/130 VAC
Inrush energy	0.1 A ² s at 100/120 VAC 0.4 A ² s at 230 VAC
Input transient protection	MOV (Metal Oxide Varistor)
Input fuse, internal	Included, slow-blow high-braking capacity fuse

Output power data

Output voltage	48 to 56 VDC, adjustable by potentiometer
Output voltage (default)	54 VDC
Output current	6.0 A at 48 VDC / 5.2 at 56 VDC up to +45 °C 5.4 A at 48 VDC / 4.6 at 56 VDC up to +60 °C 4.0 A at 48 VDC / 3.4 at 56 VDC up to +70 °C

Galvanic Isolation

Input to output	4000 VAC
Input to ground	2500 VAC
Output to ground	1500 VAC
Output to DC OK relay contact	500 VAC

Environmental

Ingress protection	IP20
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Environmental	
Operating temperature	-25 to +70 °C
Storage and transport temperature	-40 to +85 °C
Humidity (operating)	5 to 95 %, relative humidity
Altitude	≤ 6000 m
Altitude derating	15 W / 1000 m above 2000 m

MTBF	
MTBF (Siemens SN 29500)	230 VAC: 699,000 hours 120 VAC: 523,000 hours 100 VAC: 506,000 hours
MTBF (MIL-HDBK 217 F)	230 VAC: 248,000 hours 120 VAC: 224,000 hours 100 VAC: 223,000 hours

Approvals	
EMC	EN 50121-3-2/IEC 62236-3-2 Railway applications - Rolling stock - apparatus EN/IEC 61000-6-2, Immunity industrial environments EN/IEC 61000-6-4, Emission industrial environments
Trackside	EN 50121-4/IEC 62236-4, Railway signalling and telecommunications apparatus
Safety	EN/IEC/UL 61010-1, -2-201, Safety requirements for electrical equipment for measurement, control, and laboratory use

Warranty	
Validity	5 years

Ordering information	
Art. no.	Description
3125-0160	PS-260, DIN-rail Power Supply Unit