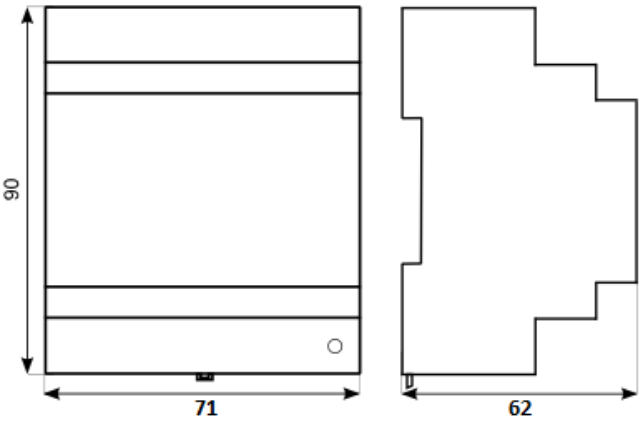
SS-10-240/DIN



DESCRIPTION

High input voltage DC/DC power supply unit, designed to directly power from photovoltaic strings for monitoring devices in combiner boxes. The converter has a low self-consumption.

- Safe separation of primary and secondary circuits
- Secondary circuits SELV type
- Indication of operation by LED
- DIN rail mount

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	300-1000 V DC
Input current, DC max.	40 mA
Input fuse	Yes (internal)

Output Data

Output voltage	24 V DC (+/-7 %)
Output current	400 mA max.
Output power	10 W
Power derating	-2 %/°C from 50 °C to 70 °C ambient temperature.
Short-circuit protection	Yes (auto resume)
Max. residual ripple	<200 mV

General Data

Efficiency, max.	approx. 86,5 %
Max. power loss (no load)	1,44 W
Max. power loss (nominal load)	3,72 W
Impulse withstand	3 kV line to line, 0,5 kV line to line
Isolation between primary and secondary	> 50 MΩ, 8 kV hi-pot test, double insulation
Cooling	natural (free air)
IP code	IP20

Weight	200 g
Material of enclosure	NORYL
Dimensions	90 x 71 x 62 mm
Class of protection	II.
Pollution degree	3
RoHS comply	Yes

Connection data	**Input**	**Output**
Number of terminals	2 (+,-)	4 (---,+++)
Wire cross-section		
Solid min/max	0,5/2,5 mm^2	0,5/2,5 mm^2
	20/13 AWG	20/13 AWG
Flexible min/max	0,5/2,5 mm^2	0,5/2,5 mm^2
	20/13 AWG	20/13 AWG
Tightening torque, min/max	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working	LED green

Environmental conditions

Operating temperature	-20°C to 70 °C
Relative humidity (non-condensing)	10% to 90 %RH
Installation altitude	<2000 m above sea level

The power supply is designed for continuous operation, overvoltage category in installation 3 according to EN 61010-1 and is resistant to short-circuit at the output.

TECHNICAL STANDARDS

Safety	EN 61204-7 ed.2
EMC	EN 61000-6-1 ed.2
	EN 61000-6-3 ed.2

Limited warranty **2 years**

PACKING AND STORAGE

The product is supplied bulk packaged, user's guide for each piece is included.
Storage temperature -25 to 80 °C, relative humidity < 95 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.