

# Product data sheet

Specifications



## Easergy PS100-24V: Power supply and battery charger 12V and 24V outputs

EMS58580

### Main

Range Of Product	Easergy
Device Short Name	PS100-24V

### Complementary

Product Or Component Type	Power supply
Product Compatibility	BAT24AH BAT38AH
[Us] Rated Supply Voltage	110...220 V DC 90...264 V AC 50/60 Hz
Output Voltage	12 V DC 24 V DC
Communication Port Protocol	Modbus
Communication Port Support	RS485
Input Voltage Limits	380 V AC/DC (L-N)
Number Of Outputs	1 digital (relay) battery ON: 1 digital (relay) main presence:
Rated Short-Duration Power Frequency Withstand Voltage	10 kV at 50 Hz during 1 min
Surge Withstand	20 kV during 1.2/50 µs
Protection Type	Overload and short-circuit protection Integrated thermal protection
Battery Capacity	24 Ah 38 Ah
Typical Battery Back-Up Autonomy	16 h
Typical Battery Recharge Time	24 h

### Environment

Mounting Support	DIN rail
Operating Position	Vertical
Overvoltage Category	IV
Electromagnetic Compatibility	Conducted and radiated emissions class A conforming to EN 55022 Immunity for industrial environments conforming to IEC 61000-6-2
Standards	IEC 60255-27
Product Certifications	CE
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to IEC 62262

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient Air Temperature For Operation	-40...70 °C
Ambient Air Temperature For Storage	-40...85 °C
Relative Humidity	5...95 % conforming to IEC 60068-2-30
Operating Altitude	3000 m
Mechanical Robustness	Bumps 10 gn 16 ms 1000 bumps non energized conforming to IEC 60068-2-29 Vibrations 10...150 Hz 1 gn 10 cycles conforming to IEC 60068-2-6 Shocks 15 gn 11 ms 3 pulses in operation conforming to IEC 60068-2-27
Height	125 mm
Width	165 mm
Depth	160 mm
Net Weight	2.8 kg

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	22.000 cm
Package 1 Width	28.000 cm
Package 1 Length	27.000 cm
Package 1 Weight	3.385 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	36
Package 2 Height	112.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	130.872 kg

# Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency

## Well-being performance

 Mercury Free

Eu Rohs Directive	Not compliant
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>