

Switchmode Power Supplies

SP Series

Conforms to IEC 60950



Applications

- Communication accessories
- Modems, DSL, VDSL
- Safety technology

Characteristics

- Input 100 or 240 V AC
- Constant voltage, current limited
- Low standby power
- High efficiency
- Continuously short circuit proof
- Light weight, compact size

Technical data

Input voltage

100 or 240 V AC ($\pm 10\%$)

Input current

80 mA to 300 mA

Frequency

50 and 60 Hz

Efficiency

75 % typ. at full load

EMC

Conforms to EN 55011, 55014, EN 55022/B, EN 55024, FCC 41 part 15, EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11

Output voltage tolerance

$\pm 5\%$

Environmental specification

Operating temperature

0 to 40° C at maximum load

Storage temperature

-20 to 70° C

Humidity

5% to 95% non condensing

Input transient susceptibility

Complies with IEC 61000 requirements

Safety specification

Standards

Fulfils Class II SELV for the following applications: EN 60950/IEC 60950, UL 60950, VDE, CE label

Reliability specification

MTBF calculation

200.000 hours at maximum load and an ambient temperature of 25° C (in accordance with MIL-HDBK-217)

SP 7



SP 12



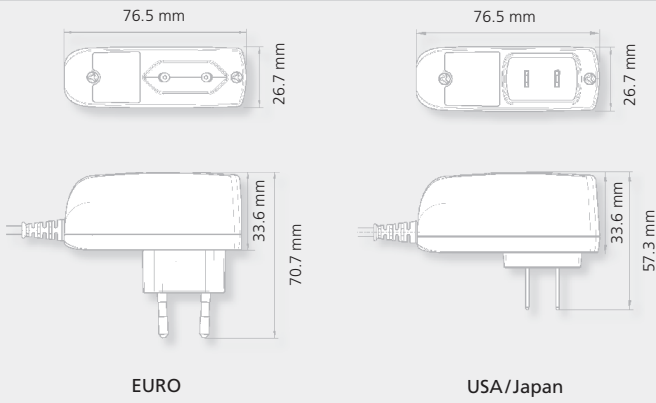
SP 18



SP 24

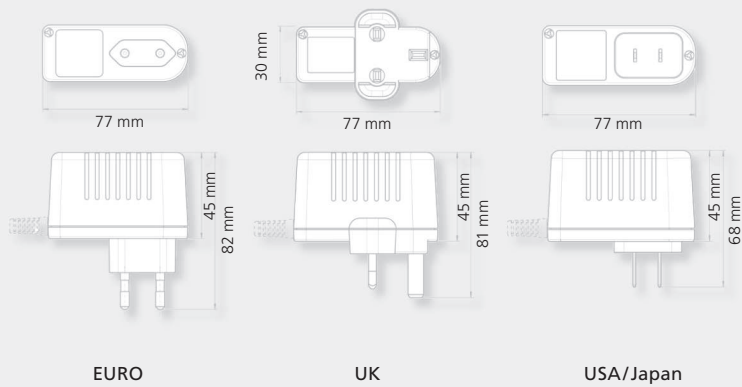


6 Watts



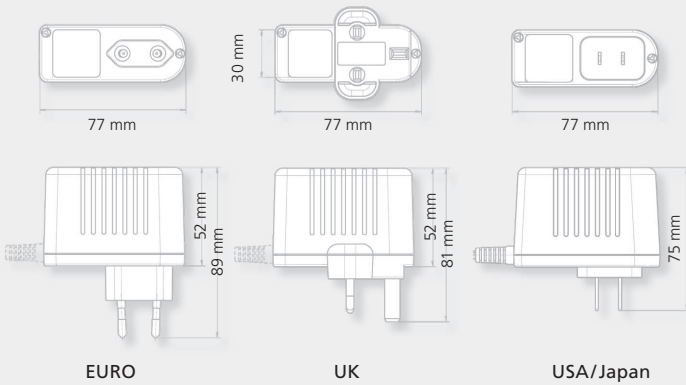
Output data		EURO	USA/Japan	UK
Voltage	Current			
5 V	1000 mA	•	•	
7.5 V	900 mA	•		
6 V	1000 mA	•		
12 V	400 mA	•		•

12 Watts



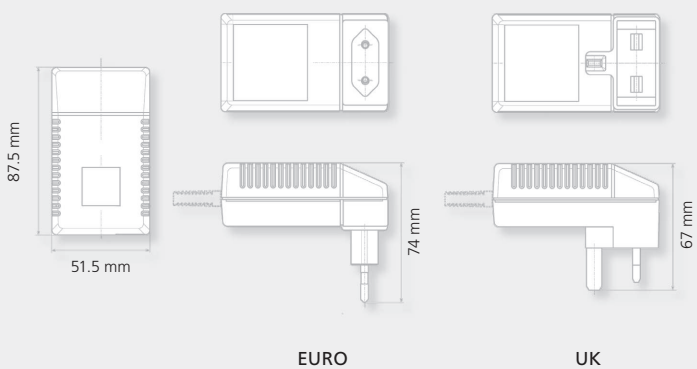
Output data		EURO	USA/Japan	UK
Voltage	Current			
5 V	2000 mA	•	•	•
6 V	1500 mA	•	•	
12 V	600 mA	•		•
12 V	1000 mA		•	
24 V	350 mA	•		
40 V	350 mA	•		

18 Watts



Output data		EURO	USA/Japan	UK
Voltage	Current			
8 V	2000 mA		•	
9 V	2000 mA	•		•
12 V	1400 mA	•		
15 V	1200 mA	•		

24 Watts



Output data		EURO	USA/Japan	UK
Voltage	Current			
12 V	2000 mA	•	•	•
15 V	1500 mA	•		•
24 V	1000 mA	•		