

Switchmode Power Supplies

PP Series

Conforms to IEC 60950



Applications

- Audio
- Bluetooth/WLAN
- Digital cameras
- Communication accessories
- Measurement and weighing technology
- MPEG Player
- Modems DSL, ADSL, VDSL
- PDA
- Safety technology

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Low leakage current $\leq 10 \mu\text{A}$
- Low standby power $\leq 0.3 \text{ Watts}$
- Continuously short circuit proof

Technical data

Input voltage Input current

100 to 240 V AC ($\pm 10 \%$)
approx. 90 mA (PP 3)
150 mA (PP 6)
200 mA (PP 8)

Frequency

50 to 60 Hz

Efficiency

75 % typ. at full load

EMC

Conforms to EN 55011, EN 55014, EN 55022/B,
FCC 47 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, VDE, CE label resp. UL 60950

Reliability specification

MTBF calculation

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

Mechanical specification

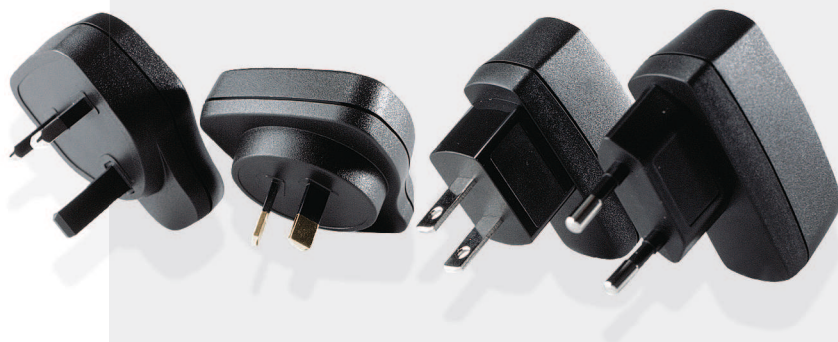
Weight approx.

60 g (PP 3)
105 g (PP 6)
110 g (PP 8)

Plug connector

AC input:
FRIVO exchangeable mains plug system:
EURO, UK, USA/Japan*
DC output:
Universal output plug system

PP 3



PP 6

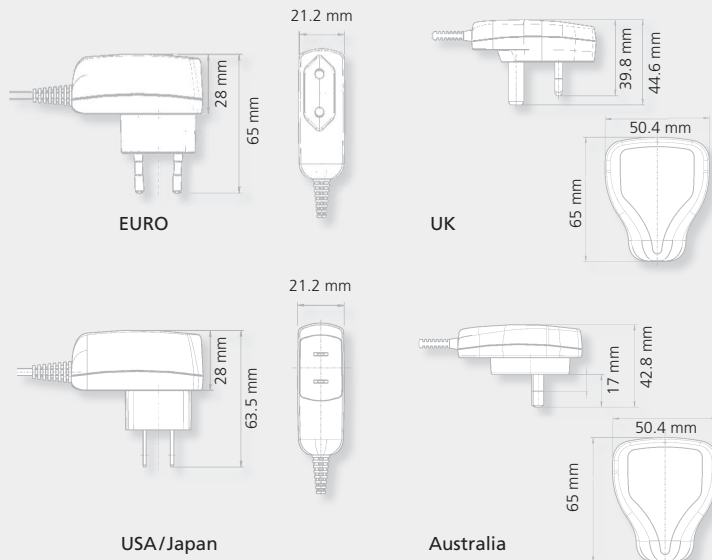


PP 8



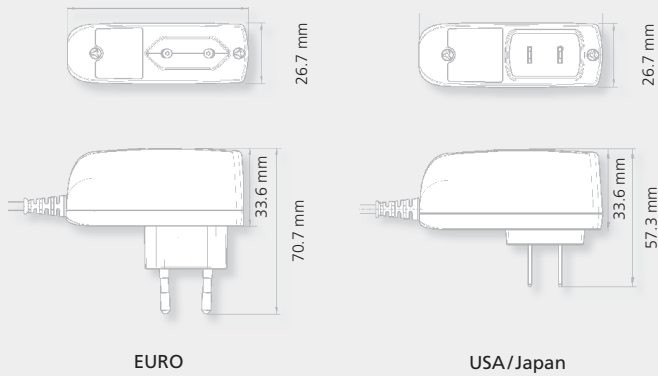
* Australia version available for OEM quantities

3 Watts



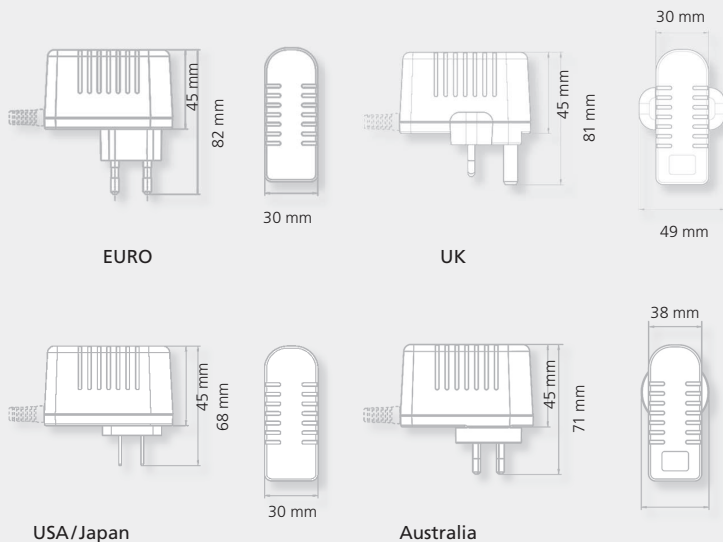
Output data		Ripple	EURO	USA/Japan	UK
Voltage	Current	Voltage	Order No.	Order No.	Order No.
5 V	650 mA	300 mV pp	1882750	1882760	1824460
6 V	550 mA	300 mV pp	1890574	1825734	1825733
7.5 V	450 mA	300 mV pp	1826282	1830703	1826268
9 V	360 mA	300 mV pp	1890562	1890576	1890575
12 V	270 mA	300 mV pp	1882753	1882763	1824461
15 V	220 mA	300 mV pp	1890714	1890716	1890715
24 V	135 mA	300 mV pp	1890717	1890718	1890719

6 Watts



Output data		Ripple	EURO	USA/Japan
Voltage	Current	Voltage	Order No.	Order No.
3 V	1300 mA	300 mV pp	1883765	1883767
5 V	1000 mA	200 mV pp	1882105	1814934
6 V	850 mA	180 mV pp	1882106	1814935
7.5 V	650 mA	150 mV pp	1882107	1814936
9 V	550 mA	150 mV pp	1882108	1814937
12 V	450 mA	150 mV pp	1882109	1814938
15 V	360 mA	150 mV pp	1882110	1814939
18 V	300 mA	150 mV pp	1882111	1814940
24 V	220 mA	150 mV pp	1882112	1814941

8 Watts



Output data		Ripple	EURO	USA/Japan	UK
Voltage	Current	Voltage	Order No.	Order No.	Order No.
3 V	1700 mA	300 mV pp	1829490	1829579	1829561
5 V	1300 mA	200 mV pp	1829491	1829580	1829562
6 V	1150 mA	180 mV pp	1829492	1829581	1829563
7.5 V	900 mA	150 mV pp	1829493	1829582	1829564
9 V	800 mA	150 mV pp	1829494	1829583	1829565
12 V	700 mA	150 mV pp	1829495	1829584	1829566
15 V	530 mA	150 mV pp	1829496	1829585	1829567
18 V	440 mA	150 mV pp	1829497	1829586	1829568
24 V	330 mA	150 mV pp	1829498	1829587	1829569