

# Switchmode Power Supplies

## PP Series

All products conform 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

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

#### Input current

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 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:  
FRIWO exchangeable mains plug system:  
EURO, UK, USA/Japan\*  
DC output:  
Universal output plug system (page 30)

\* Australia version available for OEM quantities

PP 3 FW 7600



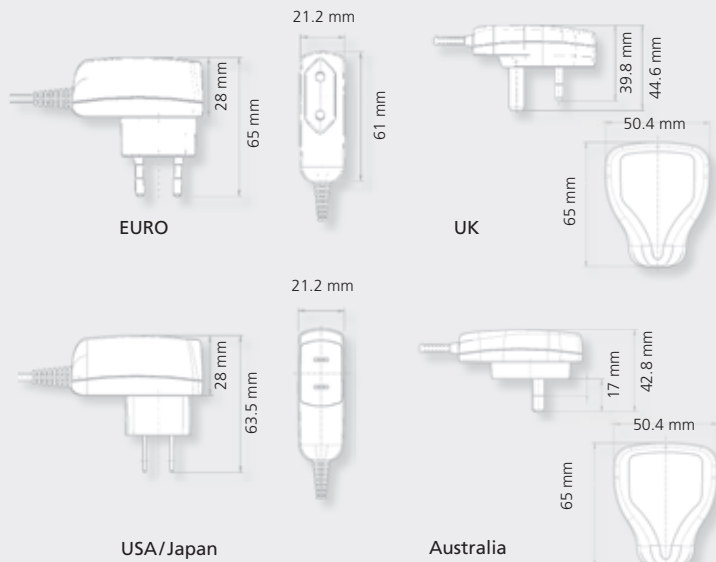
PP 6 FW 7601



PP 8 FW 7333S

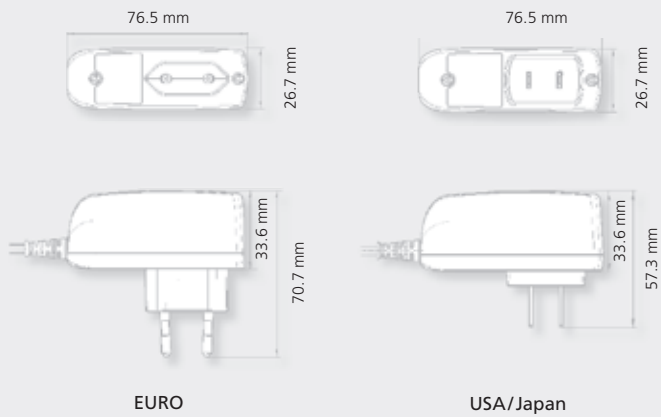


## 3 Watts



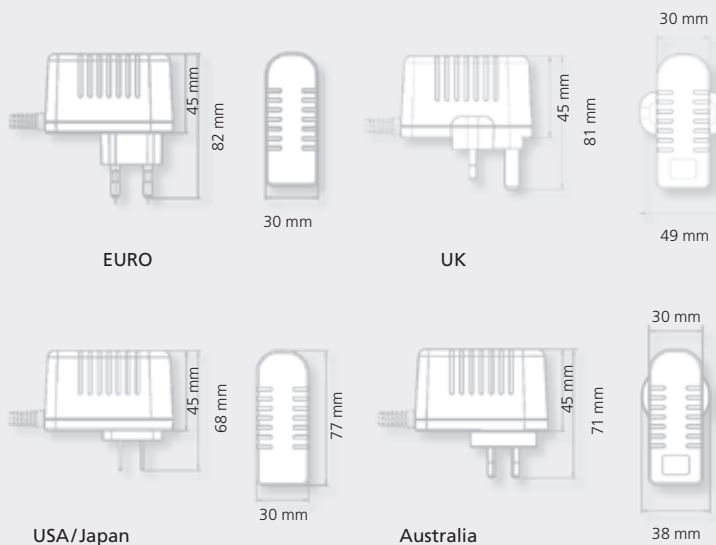
Output data		Ripple	EURO	USA/Japan	UK
Voltage	Current	Voltage	Order No.	Order No.	Order No.
5 V	650 mA	300 mV pp	1882750	1882760	1824460
6 V	550 mA	300 mV pp	1890574	1825734	1825733
7.5 V	450 mA	300 mV pp	1826282	1830703	1826268
9 V	360 mA	300 mV pp	1890562	1890576	1890575
12 V	270 mA	300 mV pp	1882753	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.
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.
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