

Switchmode Power Supplies

MPP Series

with exchangeable primary adapters

All products conform to IEC 60950

Applications

- Weighing technology
- WLAN modems
- Bluetooth
- Communication accessories
- Measurement technology
- LED applications
- Laser technology
- IT accessories
- Safety technology

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Exchangeable primary adapters
- Low leakage current $\leq 10 \mu\text{A}$
- Low standby power
 $\leq 0.3 \text{ Watts}$ (MPP 6) resp.
 $\leq 0.5 \text{ Watts}$ (MPP 15, MPP 30)
- Continuously short circuit proof

Technical data

Input voltage

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

Input current

150 mA (MPP 6),
400 mA (MPP 15),
700 mA (MPP 30)

Frequency

50 to 60 Hz

Efficiency

80% typ. at full load, resp. 75% (MPP 6)

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

-40 to 70° C

Humidity

5% to 95% non condensing

Input transient susceptibility

Complies with IEC 61000 requirements

Safety specification

Standards

Fulfills Class II SELV for the following applications: EN 60950/IEC 60950, UL 60950, CSA 950 (cUL), 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)

Mechanical specification

Weight approx.

100 g (MPP 6), 160 g (MPP 15), 255 g (MPP 30)

Plug connector

AC input:
FRIWO exchangeable mains plug system:
EURO, UK, USA/Japan, Australia, IEC
DC output:
Universal output plug system (page 30)

For primary adapters see page 30

MPP 6 FW 7650



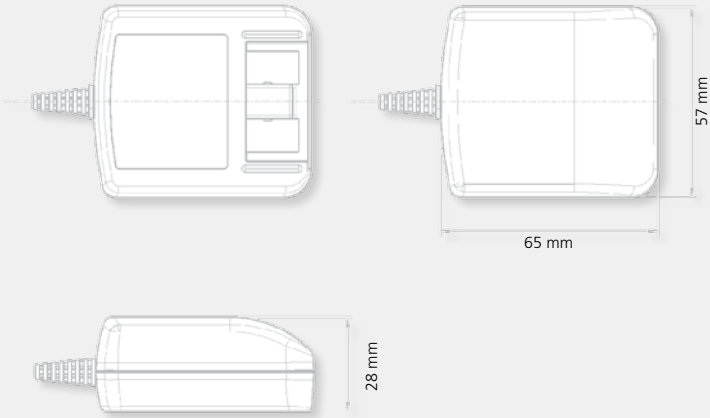
MPP 15 FW 7555



MPP 30 FW 7362

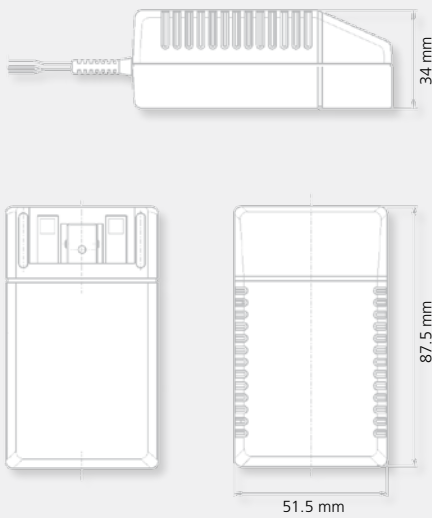


6 Watts



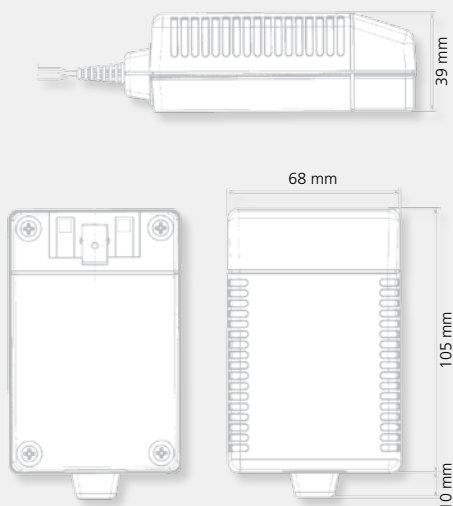
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	1000 mA	200 mV pp	1814926
6 V	850 mA	180 mV pp	1814927
7.5 V	650 mA	150 mV pp	1814928
9 V	550 mA	150 mV pp	1814929
12 V	450 mA	150 mV pp	1814930
15 V	360 mA	150 mV pp	1814931
18 V	300 mA	150 mV pp	1814932
24 V	220 mA	150 mV pp	1814933

15 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	2400 mA	75 mV pp	1812037
6 V	2100 mA	75 mV pp	1812036
7.5 V	1700 mA	75 mV pp	1812038
9 V	1500 mA	90 mV pp	1811970
12 V	1250 mA	120 mV pp	1811971
15 V	1000 mA	150 mV pp	1812039
18 V	840 mA	180 mV pp	1812040
24 V	625 mA	240 mV pp	1812041

30 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	4000 mA	75 mV pp	1811463
6 V	3600 mA	80 mV pp	1811464
7.5 V	3300 mA	90 mV pp	1811465
9 V	3000 mA	90 mV pp	1811466
12 V	2500 mA	100 mV pp	1806413
15 V	2000 mA	100 mV pp	1811467
18 V	1660 mA	120 mV pp	1811483
24 V	1250 mA	80 mV pp	1811484