



Switchmode Power Supplies

GPP Series

with exchangeable primary adapters

All products conform to IEC 60950

Applications

- Mobile applications
- Bluetooth
- Digital cameras
- Communication accessories
- Measurement and weighing technology
- Modems DSL, WLAN
- Elektronik cash systems
- 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 $\leq 0.3 \text{ Watts}$ resp. $\leq 0.5 \text{ Watts}$ GPP 10/18 (24 V)
- Continuously short circuit proof

Technical data

Input voltage Input current

100 to 240 V AC ($\pm 10 \%$)
150 mA (GPP 6), 250 mA (GPP 10),
400 mA (GPP 18)

Frequency Efficiency EMC

50 to 60 Hz
80 % typ. at full load
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

+ 7 %, -5 % GPP 10
 $\pm 5 \%$ GPP 6/18

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.

80 g (GPP 6), 113 g (GPP 10), 170 g (GPP 18)

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

GPP 6 FW 7662



NEW



GPP 10 FW 7660



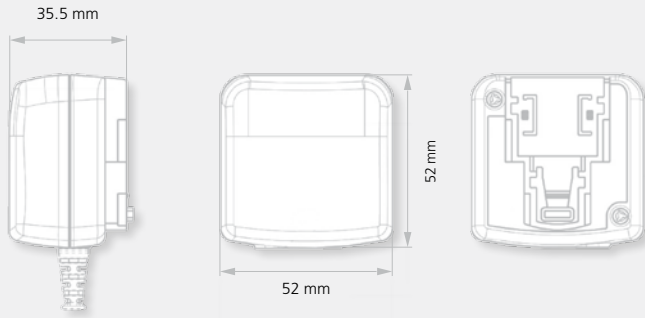
GPP 18 FW 7556



GPP 36 FW 7670

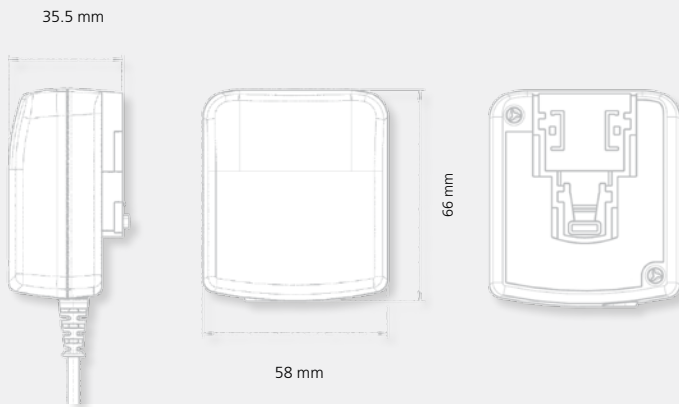


6 Watts



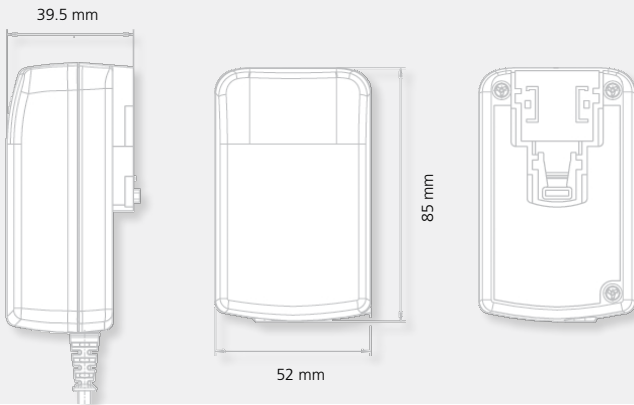
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	1200 mA	200 mV pp	1891660
6 V	1000 mA	200 mV pp	1891661
7.5 V	800 mA	200 mV pp	1891662
9 V	600 mA	200 mV pp	1891663
12 V	500 mA	200 mV pp	1891664
15 V	400 mA	200 mV pp	1891665
18 V	330 mA	200 mV pp	1891666
24 V	250 mA	200 mV pp	1891667

10 Watts



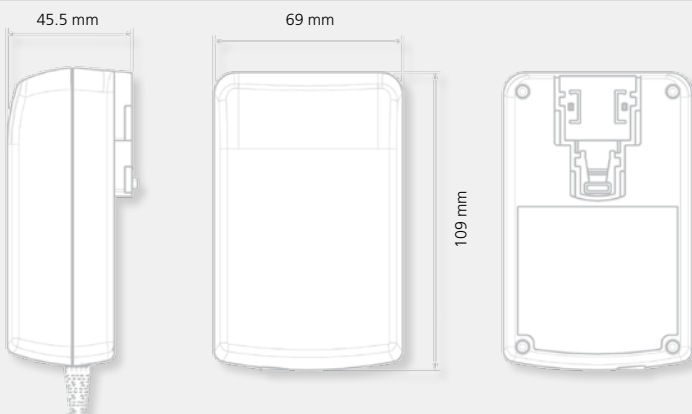
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	1600 mA	75 mV pp	1827490
6 V	1400 mA	75 mV pp	1827491
7.5 V	1200 mA	75 mV pp	1827492
9 V	1000 mA	75 mV pp	1827493
12 V	800 mA	75 mV pp	1827494
15 V	700 mA	75 mV pp	1827495
18 V	560 mA	125 mV pp	1827496
24 V	420 mA	125 mV pp	1827497

18 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	3000 mA	75 mV pp	1828724
6 V	2500 mA	75 mV pp	1828725
7.5 V	2000 mA	75 mV pp	1828726
9 V	1800 mA	90 mV pp	1828727
12 V	1500 mA	100 mV pp	1828728
15 V	1200 mA	100 mV pp	1828729
18 V	1000 mA	180 mV pp	1828730
24 V	750 mA	180 mV pp	1828731

36 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V			
6 V			
7.5 V			
9 V			
12 V			
15 V			
18 V			
24 V			