



# 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
- Elektronic 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**

Fulfils 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



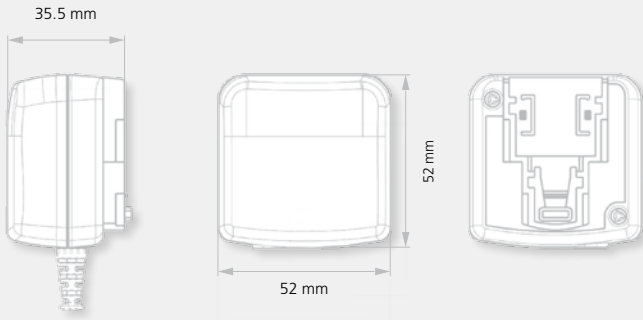
**GPP 18** FW 7556



**GPP 36** FW 7670

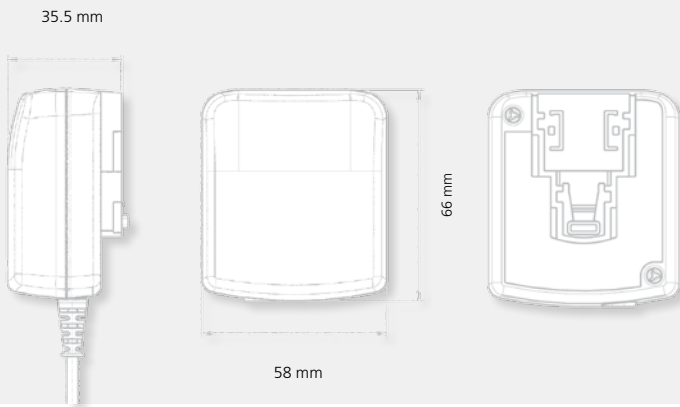


## 6 Watts



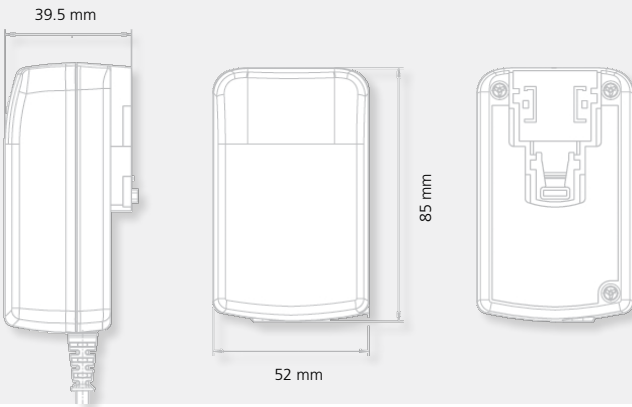
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	1200 mA	200 mV pp	1891660
6 V	1000 mA	200 mV pp	1891661
7.5 V	800 mA	200 mV pp	1891662
9 V	600 mA	200 mV pp	1891663
12 V	500 mA	200 mV pp	1891664
15 V	400 mA	200 mV pp	1891665
18 V	330 mA	200 mV pp	1891666
24 V	250 mA	200 mV pp	1891667

## 10 Watts



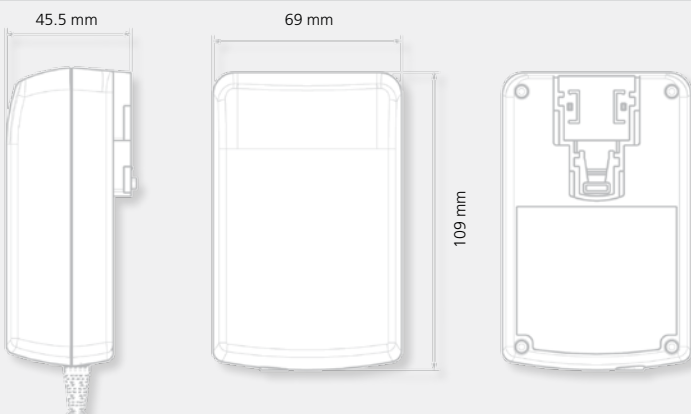
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	1600 mA	75 mV pp	1827490
6 V	1400 mA	75 mV pp	1827491
7.5 V	1200 mA	75 mV pp	1827492
9 V	1000 mA	75 mV pp	1827493
12 V	800 mA	75 mV pp	1827494
15 V	700 mA	75 mV pp	1827495
18 V	560 mA	125 mV pp	1827496
24 V	420 mA	125 mV pp	1827497

## 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			