

Switchmode Power Supplies Medical Series

with exchangeable primary adapters

All products conform to IEC 60601-1

Applications

- Blood analyser
- Patient monitors
- Measuring equipment
- Laboratory equipment
- Inhalers
- Patient lifts

Characteristics

- Universal input 100 to 240 V AC
- Exchangeable primary adapters
- Constant voltage, current limited
- Green LED indicator
- Low leakage current $\leq 10 \mu\text{A}$
- Low standby power
 ≤ 0.3 Watts GPP 6 resp.
 ≤ 0.5 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
 ± 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:
IEC 60601-1, UL 2601, VDE, CE label,
fulfils medical application class B/BF/CF

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

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 7662M



NEW



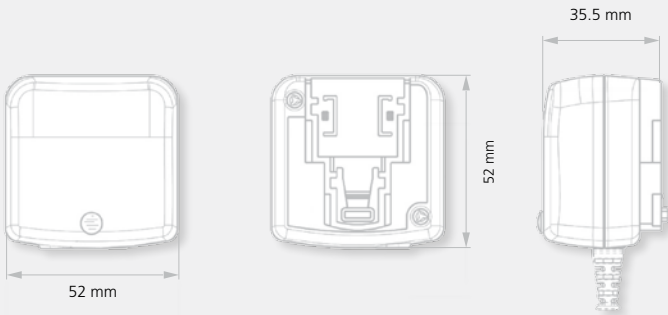
GPP 10 FW 7660M



GPP 18 FW 7556M



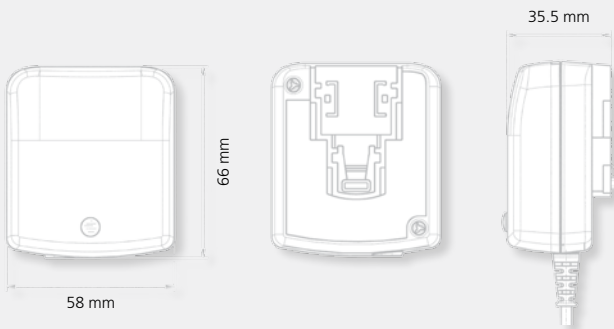
6 Watts



Output data

Voltage	Current	Ripple Voltage	Worldwide Order No.
5 V	1200 mA	200 mV pp	1891201
6 V	1000 mA	200 mV pp	1891653
7.5 V	800 mA	200 mV pp	1891654
9 V	600 mA	200 mV pp	1891655
12 V	500 mA	200 mV pp	1891656
15 V	400 mA	200 mV pp	1891657
18 V	330 mA	200 mV pp	1891658
24 V	250 mA	200 mV pp	1891659

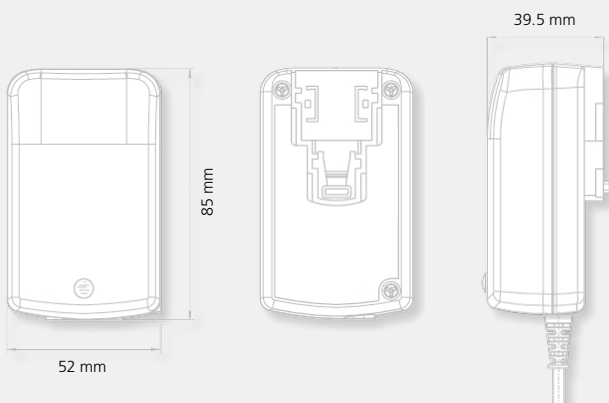
10 Watts



Output data

Voltage	Current	Ripple Voltage	Worldwide Order No.
5 V	1600 mA	75 mV pp	1950062
6 V	1400 mA	75 mV pp	1950064
7.5 V	1200 mA	75 mV pp	1950063
9 V	1000 mA	75 mV pp	1950068
12 V	800 mA	75 mV pp	1950082
15 V	700 mA	75 mV pp	1950067
18 V	560 mA	125 mV pp	1950066
24 V	420 mA	125 mV pp	1950065

18 Watts



Output data

Voltage	Current	Ripple Voltage	Worldwide Order No.
5 V	3000 mA	75 mV pp	1890854
6 V	2500 mA	75 mV pp	1890920
7.5 V	2000 mA	75 mV pp	1890925
9 V	1800 mA	90 mV pp	1890924
12 V	1500 mA	100 mV pp	1890856
15 V	1200 mA	100 mV pp	1890923
18 V	1000 mA	180 mV pp	1890922
24 V	750 mA	180 mV pp	1890855