

Switchmode Power Supplies

USB Series

Conforms to IEC 60950



Applications

- Bluetooth
- Digital cameras
- Wireless communication accessories
- PDA
- Household applications
- MP3 Player
- E-Book

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Exchangeable primary adapters (GPP USB)
- Low standby power ≤ 0.3 Watts
- Continuously short circuit proof
- Low weight
- Compact design

Technical data

Input voltage	100 to 240 V AC ($\pm 10\%$)
Input current	100 mA (PP USB), 75 mA (GPP USB)
Frequency	50 to 60 Hz
Efficiency	70 % typ. at full load
EMC	Conforms to EN 55011, 55014, EN 55022/B, EN 55024, FCC 41 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 45° 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, UL 60950, VDE, CE label
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Reliability specification

MTBF calculation	200.000 hours at maximum load and an ambient temperature of 25° C (in accordance with MIL-HDBK-217)
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Mechanical specification

Weight approx.	34 g (PP USB), 50 g (GPP USB)
Plug connector	AC input: FRIVO exchangeable mains plug system: EURO, UK, USA/Japan, Australia, IEC DC output: USB socket type A

For primary adapters see page 26

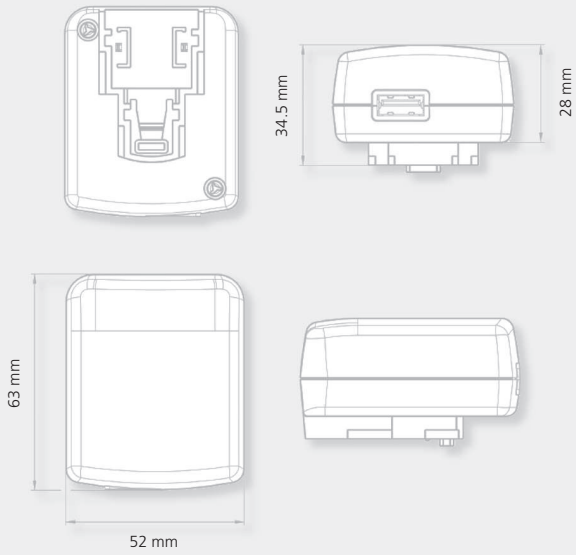
GPP USB



PP USB



2.5 Watts



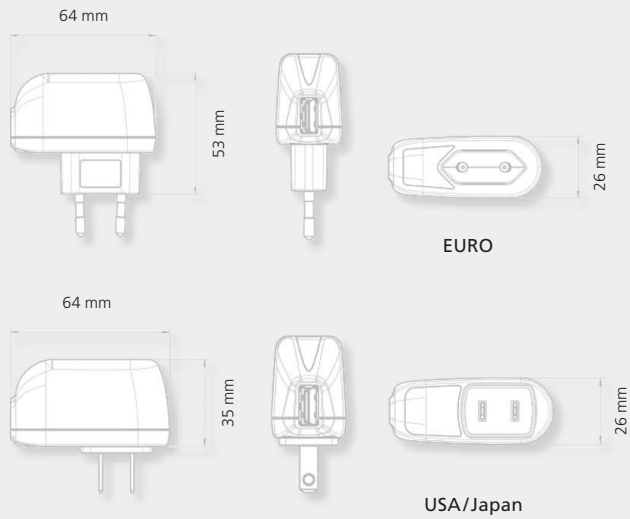
Output data

Voltage	Current	Ripple Voltage	Worldwide Order No.
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5 V	500 mA	200 mV pp	1891225
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available 2009

2.5 Watts



Output data

Voltage	Current	Ripple Voltage	EURO Order No.	USA/Japan Order No.	UK Order No.
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5 V	500 mA	200 mV pp	1891275	1891321	1891487
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available 2009