

Switchmode Power Supplies

DT Series

All products conform to IEC 61558

Applications

- Audio
- Bluetooth/WLAN
- Digital cameras
- Communication accessories
- Measurement and weighing technology
- MPEG Player
- Modems DSL, ADSL, VDSL
- Safety technology
- Laboratory equipment

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Low standby power
 ≤ 0.3 Watts (DT 12) resp.
 ≤ 0.5 Watts (DT 60, DT 100, DT 150)
- Continuously short circuit proof
- High efficiency

Technical data

Input voltage

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

Input current

300 mA (DT 12), 1500 mA (DT 100),
1600 mA (DT 60), 2000 mA (DT 150)

Frequency

50 to 60 Hz

Efficiency

up to 91% typ. at full load

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
 $\pm 5\%$

Output voltage tolerance

Environmental specification

Operating temperature

0 to 40° C at maximum load

Storage temperature

-10 to 70° C

Humidity

10% 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.

135 g (DT 12), 260 g (DT 60),
500 g (DT 100), 622 g (DT 150)

Plug connector

AC input: 2-pole IEC 320,
C8-socket (DT 12, DT 60)
C14-socket (DT 100, DT 150)
DC output:
Universal output plug system (page 30)

For power cords see page 30

DT 12 FW 7402



DT 60 DT 60



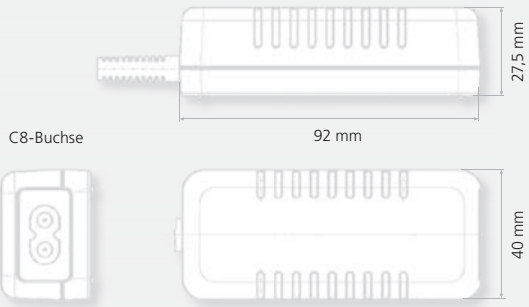
DT 100 DT 100



DT 150 DT 150

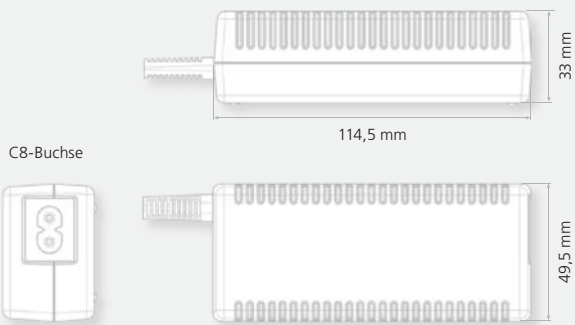


12 Watts



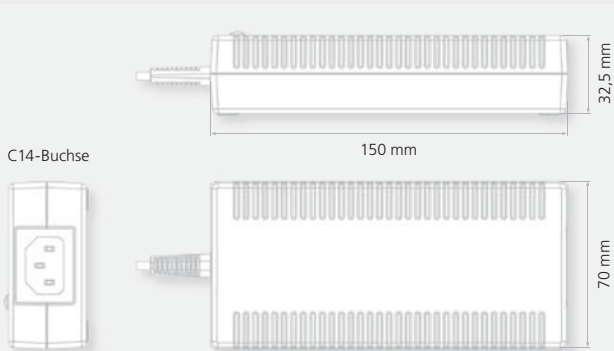
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	2000 mA	200 mV pp	1893922
5,9 V	1700 mA	200 mV pp	1893923
7,5 V	1400 mA	180 mV pp	1893924
9 V	1200 mA	135 mV pp	1893925
12 V	1000 mA	180 mV pp	1893926
15 V	800 mA	112 mV pp	1893927
18 V	660 mA	135 mV pp	1893928
24 V	500 mA	300 mV pp	1893929
48 V	250 mA	480 mV pp	1893930

60 Watts



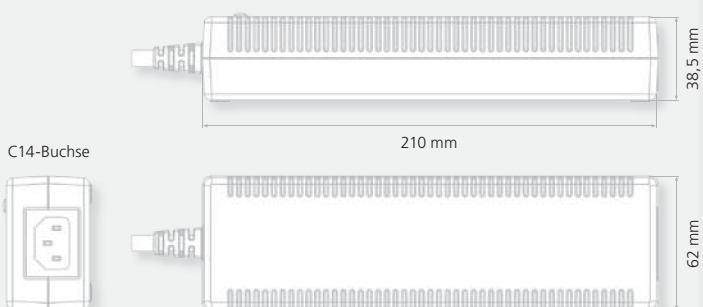
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
12 V	5000 mA	250 mV pp	1830993
15 V	4000 mA	250 mV pp	1830994
18 V	3300 mA	250 mV pp	1830995
24 V	2500 mA	250 mV pp	1831363

100 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
24 V	4170 mA	240 mV pp	1891551

150 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
24 V	6250 mA	240 mV pp	1894781