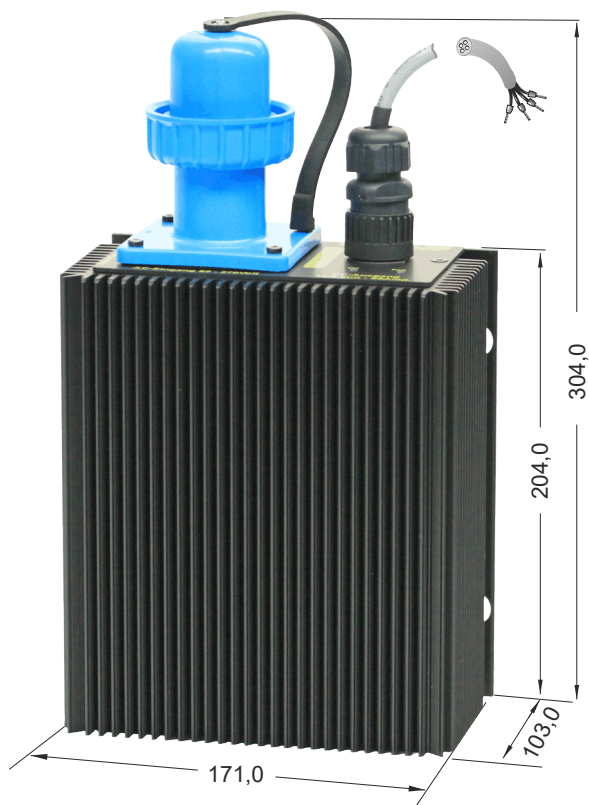


# Data sheet

## Battery charger: SNT12512-BL



### Technical data

#### General data

Type	SNT12512-BL
FEAS Order number	583515
Product description	Switch mode power supply
Product function	battery charger - DC power supply

#### Input data

AC input voltage	85 - 270V <sub>AC</sub> (44-66Hz)
Input current at nominal load	at 115V <sub>AC</sub> max. 6.0A / at 230V <sub>AC</sub> max. 3.0A
Input current peak	< 8.2 A at 270V <sub>AC</sub>
Protective circuit	Transient voltage suppressor Varistor

#### Output data

Output voltage U	14.2 V <sub>DC</sub> (fixed value, for 12V batteries)
Output current I	25.0A
Power	355 Watt
Residual ripple (20MHz Bandwidth)	<50mV <sub>rms</sub>

#### Control data

Control deviation (Load)	<200mV with load variation 10 ..... 90%
Control deviation (Supply)	<10mV with load variation ±10%
Control time	<10ms with load variation 10 ..... 90%

#### Operating data

Duty circle	100%
Efficiency	>91%
Parallel connection	Yes
Operating temperature range	-40°C to +80°C
Storage temperature range	-40°C to +105°C
Derating	from 40°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h

#### Safety devices

Fuse for input (technically not necessary)	at 115V <sub>AC</sub> 12.0A delayed / at 230V <sub>AC</sub> 6.0A delayed
Fuse for output	not necessary - short circuit proof
Overload protection	integrated into device
Hold-up time	20 ms typ.

#### Safety data

Test voltage transformer	5kV <sub>AC</sub> according to VDE0570
High voltage resistance	Input/Output 4.4kV <sub>AC</sub> according to VDE0806/IEC380
Degree of EMI suppression	according to VDE0871B, EN55022/B
Protection class	Protection class I with PE-Connection (EN62368)
Extra low safety potential	PELV (EN60204), SELV (EN62368)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure with plugs	IP 68
Vibration proof	>100g at 33Hz in X, Y and Z accord. IEC68 and DIN41640

#### Status & Signal

Status indicator	LED - Operating, LED - Operating fail
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#### Connections

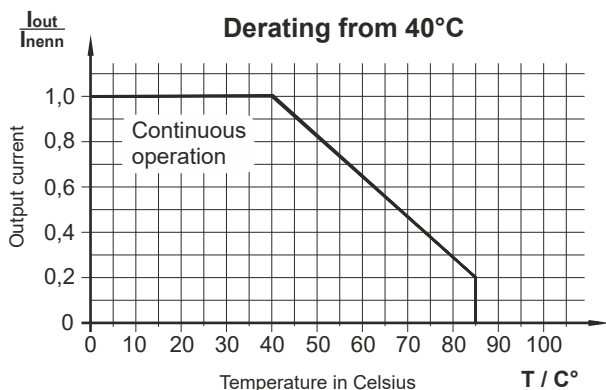
Input	SCHUKO plug with protective cap
Output	Hirschmann socket with 1m cable (4x2.5mm <sup>2</sup> ) (other cable lengths possible on request)

#### Applied construction regulations

according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0806
IEC	IEC62368-1, IEC61000-6-1,2,3,4, IEC60068-2-3, IEC60068-2-11-52, IEC60529
EN	EN62368-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN60204, EN60529, EN61000-4-2,3,4,5,6,8,11, EN60068-1, EN6068-2, EN61558-2-17
CSA/UL	CSA-C 22.2 / UI62368-1, UI508, UL1950

#### Mechanical data

Mounting	Wall mounting with four M8 screws
Dimensions (W x H x D)	171mm x 304mm x 103mm
Weight	approx. 7.5kg



#### Products of the series

Type	SNT12512-BL
Order number	583515
Output voltage	14.2VDC
Output current	25A