

# STROMTANK

AUDIO POWER

## International specifications

## Stromtank S2500

### Input AC parameters on grid

Input voltage range	100 Vac / 120 Vac / 230 Vac / 240 Vac
Input frequency	45 to 65 Hz (auto sensing)
Input current max.	16 Aac (transfer relay)
Input current adjusted	14 Aac (120Vac), 10 Aac (230Vac) – factory setting
transfer time	< 15 ms, on grid to off grid

### Output AC parameter off grid

Output voltage	100-130Vac / 200-245Vac (pure sine wave +/- 2%)
Output frequency	50 Hz / 60 Hz +/- 0.05% (crystal controlled)
Harmonic distortion	< 2%
Continues power @ 25°C	550 VA
Power 30min. @ 25°C	900 VA
Maximum load	up to short circuit
Maximum asymmetric load	up to P cont.
Load detection (Stand by)	10 W
Cos $\varphi$	0.1 – 1
Maximum efficiency	93% (dc/ac conversion mode)
Consumption stand-by/on	1.5 W / 8 W
Overload + short-circuit protection	automatic disconnecting with 3 restart attempts
Overheat protection	warning before shut-down with automatic restart
Operating temperature	+10 to 45°C
Relative Humidity	0 to 85% non- condensing
Acoustic level	< 35 dB

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## Battery power unit

Battery type	LFP - Lithium Iron Phosphate (LiFePO4)
Nominal battery voltage	24 Vdc
Nominal capacity	100 Ah
Volume Energy Density	177 Wh/l
Gravimetric Power Density	107 Wh/kg
Typical charge current	8 Adc - factory setting
Working temperature	0 to 45°C, 32 to 113°F
Emergency charge current	2 Adc (only by STROMTANK emergency charger)*
Battery Management System	Flex-BMS, single cell control, active balancing 5A

## Terminal area

AC output receptacles	3x Hubbell duplex, Hospital spec. grade 3x Furutech High performance Schuko sockets
AC output fuse	thermal – magnetic circuit breaker
AC input connection	ICE 320 - C14 (fuse 16/10AT)
Interface	CAN (RJ45-8 type “Com bus”)*, USB*
Charge connector	use STROMTANK charger only
Power switch	on/off (“on” = green LED)
Safety key switch	key switch “Release/Lock” all functions**

## Additional Features

Color	meteorit (other colors upon request)
Weight	61 kg / 134 lbs
Dimension (w x h x d)	48 x 45 x 31 cm / 19 x 17 x 12 inches

\* only for use with “STROMTANK” software and charger