

WEESS

ZUGSPITZE

Home Energy Storage System

www.weess.com

WEESS GmbH

Graf-Adolf-Straße 14, 40212 Düsseldorf

Tel: +49-211-6509-7777

Email: info-eu@weess.com



Hybrid Inverter

DATA SHEET (EN)

* HYBRID INVERTER DATASHEET

PV Input & AC Output

Max. PV Input Power	24000 W (10000 / 7000 / 7000)
Max. PV Input Voltage	1000 V
Max. PV Input Current	26 / 20 / 20 A
MPPT Voltage Range	160 - 950 V
Max. PV Short-circuit Current	35 / 27 / 27 A
No. of MPP Trackers	3
Strings per MPP Trackers	2 / 1 / 1
Rated Output Power	16000 W
Max Output Apparent Power	17600 VA
Grid Topology	3L / N / PE
Nominal Output Current	23.2 A
Max. Output Current	28.2 A
Nominal Grid Voltage	220 / 380 V, 230 / 400 V, 240 / 415 V
Grid Frequency / Frequency Range	50 / 60 Hz, 45 - 55 Hz / 55 - 65 Hz
THDI	<3% @rated power
Power Factor	1 / 0.8 leading to 0.8 lagging

Battery & Back-up

Battery Chemistry	LFP
Operating Voltage Range	180 - 600 V
No. of Battery Channel	2
Max. Charging / Discharging Current	25 A + 25 A
Communication Interface	CAN & RS485
Max. Continuous Apparent Power	16000 VA
Peak Output Apparent Power	24000 VA
Max. Continuous Current	23.2 A
Rated Output Voltage	400 / 230 V
Rated Output Frequency	50 / 60 Hz
Automatic Switching Time	<20 ms
THDU	<3% @rated power

Efficiency

Max. Efficiency	98.0%
Europe Efficiency	97.3%
Max. Charging Efficiency (PV to BAT)	98.5%
Max. Discharging Efficiency (BAT to AC)	97.0%

General Data & Protection

Dimensions (H*W*D)	541 × 541 × 194 mm
Weight	37 kg
Operating Temperature	-25 ~ +60 ° C
Cooling Method	Intelligent fan
Self-consumption	15 W
Communication	RS485, CAN, WLAN / Ethernet via Smart Dongle
Ingress Protection	IP65
Humidity	0-100 %
Altitude	4000 m (>2000m derating)
Inverter Topology	Transformerless
Grid Monitoring	YES
Insulation Monitoring	YES
Residual Current Monitoring	YES
Anti-islanding Protection	YES
DC Reverse Polarity Protection	YES
AC Over-current Protection	YES
AC Short-circuit Protection	YES
AC Over-voltage Protection	YES
DC Over-current Protection (Battery)	YES
Surge Protection (SPD)	DC: Type II, AC: Type III
DC Switch (Solar)	YES
Remote Control of Dry Nodes	YES

Note: This data is for informational purposes only. Technical changes reserved.