

POWER2GRID

The Hybrid Inverter of the Future



E-Mobility



Drive
System



Energy Storage
Systems



Power- and
Garden Tools



Industrial



Medical

YOUR BENEFITS

- **10kW PV and Battery inverter**
 - For all BMZ HV battery systems
 - Perfect for BMZ Hyperion LONG LIFE 20 Outdoor
- **Highly flexible**
 - 2 MPPT with wide voltage range of 200 to 850V
 - 1 Battery connector with wide voltage range of 135 to 750 V
 - Indoor and Outdoor rated
- **Back-up power integrated with 10ms UPS-level switch**
- **Easy to handle**
 - Weight of just 26 kg
 - Installation by one person
 - Hybrid inverter setup by menu or App
 - Cloud based monitoring
- **Low noise**
 - Natural convection cooling – no fan

TECHNICAL DETAILS

Input (PV-DC)

Max. generator power	15000 Wp (Summe aus PV 1 u. 2)
Max. input voltage	1000 V
PV start voltage	135 V
MPP voltage range	200 V bis 850 V
Max. input current input A / input B	15 A / 15 A
Max. short-circuit current input A / input B	20 A / 20 A
Number of independent MPP inputs / Strings per MPP input	2 / A:1; B:1

Battery connection (BAT-DC)

Battery type	all BMZ high-voltage systems
Voltage range	135 V bis 750 V
Max. charging current / max. discharging current	25 A / 25 A
Max. charging power / max. discharging power	10000 W / 10000 W

AC connection to public grid

Rated power (at 230 V, 50 Hz)	10000 W
Max. AC apparent power	11000 VA
AC rated voltage	380 V / 400 V/ 415 V, 3L + N + PE
Rated grid frequency	50 Hz / 60 Hz
Rated output current	14,5 A
Max. output current	16,5 A
Power factor at rated power / Adjustable displacement factor	1 / 0.8 capacitive to 0.8 inductive

TECHNISCHE DETAILS

Efficiency

Max. Efficiency / europ. Efficiency	98,2 % / 97,4%
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AC backup connection

Rated power	10000 W
Max. AC apparent power	11000 VA
AC rated voltage	380 V / 400 V / 415 V, 3L + N + PE
AC grid frequency	50 Hz / 60 Hz
Switching time to backup operation	10 ms

Protective devices

Input-side disconnection point (PV-DC)	•
Ground fault monitoring / Grid monitoring	• / •
DC reverse polarity protection / AC short-circuit strength / galvanically isolated	• / • / —
All-current sensitive residual current monitoring unit	•
Protection class	I
Overvoltage category grid / PV	III / II

General data

Dimensions (W / H / D)	534 mm / 418 mm / 210 mm
Weight	26 kg
Operating temperature range	-30 °C bis +60 °C
Noise emission (typical)	< 25 dB
Self-consumption (standby)	< 15 W
Topology / Cooling concept	Transformerless / natural convection
Protection type	IP65
Permissible max. value for relative humidity (non-condensing)	100%
Connections, Interfaces	CAN, RS485, Wi-Fi and LAN connection

Any questions?

Contact us, we will be happy to advise you.

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