

KW-Generator GmbH

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10kW 20kW DC-AVR
10kW ACDC-AVR

Galvanically Isolated DC/DC and AC/DC Power Conversion Solutions



www.kw-generator.com

we are
DIN ISO 9001:2015 and
DIN ISO 14001:2015
verified



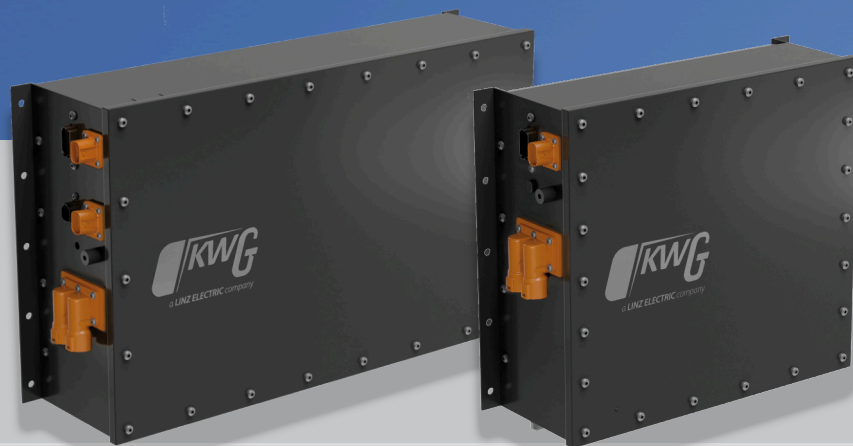
Vehicle Power Electronics

Vehicle Power Electronics

Galvanically Isolated DC/DC and AC/DC Power Conversion Solutions

Specifications

- Efficiency at full load 97%
- Loss of Efficiency in Partial-Load Operation Compared to Full-Load Operation: 3%
- Protection Class: IP67, DIN EN 60529
- Operating Temperature: -30 °C to +50 °C
- Cooling: Passive Cooling via Heat Sinks or Active Water Cooling
- ECE R10 Rev. 06
- EMC Interference: DIN EN 61000-6-4 / ECE R10 Rev. 06
- EMC Immunity: DIN EN 61000-4-2 to -11 / ECE R10 Rev. 06
- Vibration / Shock: DIN EN 61000-4-2 to -11
- Corrosion: DIN EN ISO 9227
- Temperature Changes: DIN EN 60068-2-14
- Active and Passive Discharge
- Insulation Measurement – Integrated as an Option
- CAN J1939
- CAN Communication for Activating the ePTO with Various Vehicle Manufacturers:
- Mercedes / MAN / Volvo / DAF / Scania

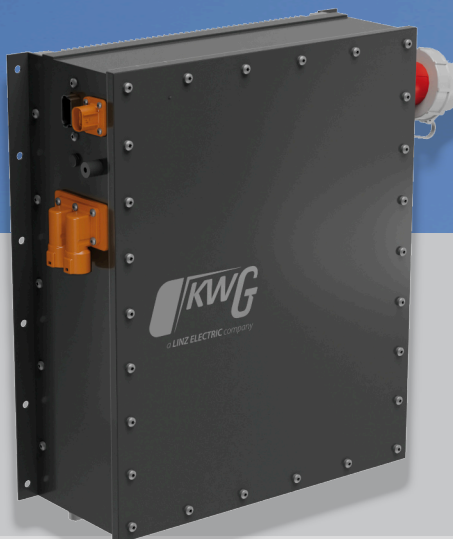


20 kW DC-AVR

Input voltage (DC) 500 – 1000 V
(from 850 V adjustment by Buck-Converter)
Galvanically isolated Safe galvanic isolation
Output voltage (DC) 350 V / 230V
Output Power in parallel 20000 W
Output Power in separately 2 x 10000 W 2 separate Net
Height: 450 mm
Width: 800 mm
Depth: 188 mm

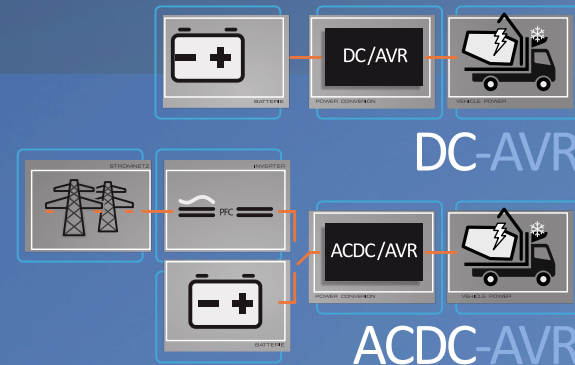
10 kW DC-AVR

Input voltage (DC) 500 – 1000 V
(from 850 V adjustment by TSS)
Galvanically isolated Safe galvanic isolation
Output voltage (DC) 350 V / 230V
Output Power 10000 W
Height: 450 mm
Width: 547 mm
Depth: 173 mm



10 kW ACDC-AVR

Input voltage (DC) 500 – 1000 V
(from 850 V adjustment by TSS)
Input voltage (AC) 380 – 480 V 32A CEE
Galvanically isolated Safe galvanic isolation
Output voltage (DC) 350 V / 230V
Output Power 10000 W
Height: 622 mm
Width: 517 mm
Depth: 201 mm



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