

# ENTEST022ACDCB22KW1kV

22kW bidirectional power supply for battery testing



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## Product description:

The device is used for bidirectional energy transmission. It allows to charge or discharge the battery. In case of battery discharge, the device provides the energy to the network and use of additional resistors is not required. Owing to MOSFET/ SIC switches of a high frequency, it is possible to achieve excellent efficiency, high power density, high reliability.

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## Additional information:

- Bidirectional converter, from AC to DC
  - Wide range of voltage for the source, appropriate for many kinds of batteries
  - Smooth transition during the power flow direction switch
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## Basic information:

- Higher power is kept by the direct current on the side of the source
  - Efficiency >96%
  - Low power consumption in the standby mode, less than 20W
  - The possibility of developing the more powerful device
  - Plug & play
  - CAN communication interface
  - the possibility to equip with three-phase socket
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## Usage:

- EV charger for energy storing
- V2G electric vehicle charger
- Use of the recycled battery
- Batteries and electric cars service

### Technical specification:

NAME OF THE PARAMETER	VALUE	UNIT
Overall dimensions	730x541x287	mm
Montage dimensions	-	mm
Operating voltage range	200 – 1000 (straightening mode) 300 – 1000 (wave mode)	V
Range of current load	0-73.3	A
Nominal current at maximum load	22 (@1000V)	A
Maximum power consumption	22 000	W
Power consumption in the standby mode	22	W
Allowed range of operating temperature	-40 – 75	°C
Allowed range of storing temperature	-40 – 70	°C
Security level	IP66	-
Cooling	Air	-
Coolant	-	-
Cooling efficiency	-	L/min
Communication	CAN 2.0	-
Capacitors discharge time after power switching off	~ 5	s
Mass	37	kg

\*the manufacturer reserves the right to make changes to the parameters and appearance of the product