



# GRIDCON® DC Charger

## Bringing the energy and transport transition together

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# GRIDCON® DC Charger – low-loss solar power charging

The energy industry is undergoing a unique transformation process toward greater energy efficiency and cross-sector decarbonization. The comprehensive expansion of renewable energies is one of the core tasks for decision-makers and electrical specialists in industry and commerce.

## The intelligent transition to direct current

Similar to the direct coupling of photovoltaics and energy storage systems, the particularly low-loss DC fast charging of electric vehicles is part of the holistic DC solution approach that promotes a transformation to local DC grids.

Technical specification	GRIDCON® DCC 75 kW	GRIDCON® DCC 2 x 75/150 kW
DC output power (@400Vdc-BEV)	0 ... 50kW	0 ... 100 kW (0 ... 50 kW per charging point)
DC output power (@750Vdc-BEV)	0 ... 75 kW	0 ... 150 kW (0 ... 75 kW per charging point)
Charging cable / plug	max. 1 x CCS (air-cooled)	max. 2 x CCS (air-cooled)
DC output current	max. 125 A	max. 250 A
DC output voltage	200 ... 920 V	
DC charging energy meter	optional	
DC input current	max. 125 A	max. 250 A
DC input voltage range	600 ... 800 V; +/- 600 ... +/- 750 V	
DC mains form	DC-IT, DC-TN-C	
Efficiency	98 % (in typical operation)	
Operation	Push button, optional 7" touch display	
Authentication	RFID	
Operating display	Multicolor LED display	
Interfaces	OCCP 2.0.1 (backward compatible to OCCP 1.6J)	
Other interfaces	Modbus TCP/IP	
Network integration	LTE Modem	
Dimensions (W x D x H)	approx. 1,200 mm x 300 mm x 800 mm	approx. 710 mm x 350 mm x 2210 mm
Base dimensions	-	approx. 700 mm x 300 mm x 200 mm
Mounting types	Wall, ceiling mounting	Stand mounting
Weight	approx. 120 kg	approx. 400 kg
Cooling	Regulated air cooling	
Impact resistance	IK 10	
Degree of protection	IP54	
Environmental conditions	- 20 °C to + 55 °C	
Standards	IEC 61851-1, -23, IEC 62477-1, IEC 61439-1, IEC 61439-7, EN 62311, EN 50364	