11kW Electric Vehicle Charger Data Sheet

Description:

Green Watt Power's 11kW high density on-board charger complies with both single phase and three phase input. It is designed with ultra-high power density, as well as a full metal case enclosure. The excellent power conversion efficiency and thermal management provides the on-board standard chargers high reliability and long life time. This series of chargers offer solid and safe power conversion for applications such as e-vehicles, e-bus, e-boat, etc.

Features:

- Three Phase and Single Phase Input
- Output Power: 11kW @ Three Phase, 6.6kW @ Single Phase
- High Reliable On-Board Design
- Compatible with Liquid Cooling and Air Cooling
- High Efficiency: Up to 96%
- All-Around Protections: OVP, OCP, SCP, OTP, UVLO
- Low Temperature Start Up @ -30ºC
- High Temperature Operation @ 65ºC
- IP67 Ingress Grade
- CAN Communication

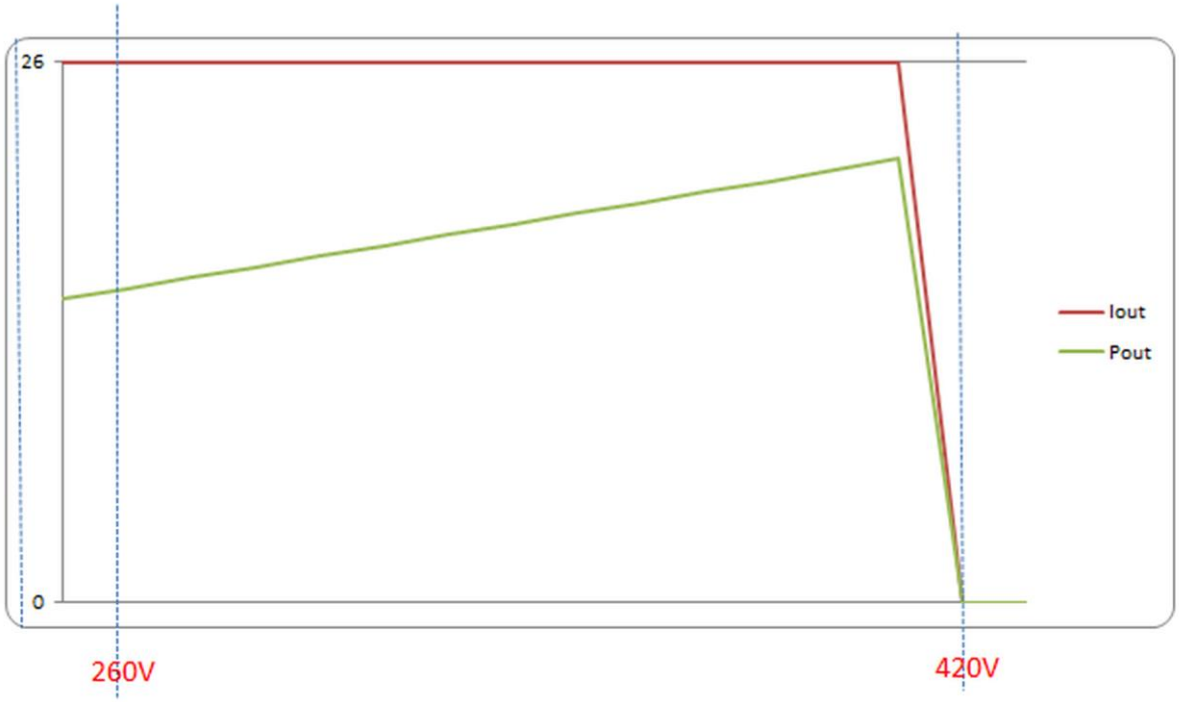
Model Number	Output Power	Output Voltage	Output Current
EVC-420-11000 (PLD11K-SEAL-420)	11000W	200-420V	26A

Input Parameters				
	Min	Typ	Max	Units
Input Voltage Range* Line to line when three phase input Line to Neutral when single phase input	 304 176		 456 264	 VAC
Input AC Voltage Frequency	45		65	HZ
Input Current Three phase input Single phase inpu			 <20 <44	 A
Efficiency(380Vac)		95		%

Output Parameters				
	Min	Typ	Max	Units
Output Current Regulation Band	0		26	A
Output Voltage Precision			+/-1	%
Output Voltage	200		420	V
Output Current Precision			+/-1	%
Output Power Three phase input Singe phase input			 11 6.6	 KW
Output Voltage Ripple			1%	
Power Factor Half load Full load	 0.98 0.99			
THD Half load Full load			 53	 %

General Specifications	
MTBF	≥ 400,000 Hours
Product Life @ 25 ºC，Full Load, 400Vac input	≥ 50,000 Hours
Temperature - Operating	-30℃ to +65℃
Temperature - Storage	-40℃ to +85℃
Relative Humidity	5%-95%
Weatherproof	IP67

Charging Curve:



Notes:

(1) Specification is subject to change without notice.

Case Specifications:

Dimension: 411(L)x248(W)x88(H)mm