















Optional top mount cable retractor sold separately

WATTI DIRECT 180KW



Free-standing 180kW DC Fast charger, ideal for parking garages, quick service restaurants, fleets and service stations.

-  Simultaneous dual DC charging
-  Two CCS1 charging connectors
-  300A cables, choice of 4.5m (15ft) or 7m (23ft) lengths
-  7-inch LCD screen with user-friendly interface
-  Networked, or standalone operation
-  ISO 15118 compliant
-  OCPP 1.6, OCPP 2.0.1 ready
-  Supports smart charging and load balancing
-  Network connection via LAN, WiFi and 4G
-  View real-time analytics & get monthly reporting*
-  Manage multiple user groups & permissions*
-  Monetize your charger for an additional revenue stream*



*Available with an Enterprise+ Software subscription.
Our software is OpenADR certified and prepared for utility demand response programs.

TECHNICAL SPECIFICATIONS



Model Name	Watti Direct 180kW	
Installation Type	Free Standing (top mount cable retractor sold separately)	
Safety	NRTL – cETLus (USA/Canada)	
Power Specification		
AC Input	Input Rating	3 Φ _480 Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT
	Input Current	3 Φ 232A
	Frequency	50Hz/60Hz
	Power Factor	> 0.99
	Efficiency	> 94% at Optimize V/I Point
DC Output	Output Voltage Range	CCS1: 150~950Vdc
	Max. Output Current	CCS1: 300A/350A@600Vdc (Boost Mode up to 500A Max)
	Max. Output Power	180kW
	Voltage Accuracy	± 2%
	Current Accuracy	± 2%
Output Interface	Dual 300A CCS1 DC Charging Connectors	
User Interface & Control		
Display	7-inch TFT-LCD	
User Authentication	RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, QR code, Mobile App, Optional 3rd Party Payment Terminal	
Push Buttons	Operation buttons/Emergency stop button	
Communication		
Network Connection	WiFi/LAN/4G	
Internal Communication	CAN bus/RS485	
Charge Protocol	OCPP 1.6 JSON (Upgradeable to 2.0.1)	
Environmental		
Operating Temperature	-30°C to 50°C (-22°F to 122°F)	
Relative Humidity	5% to 95% RH, Non-Condensing	
Altitude	≤ 2000m (6562ft). Derating at 2000m and above	
Protection Level	NEMA 3R, IK10 (not including screen & RFID module)	
Cooling Method	Fan Cooling	
Mechanical		
Cabinet Dimensions (W x H x D)	800mm x 1900mm x 650mm (31.5in x 74.8in x 25.6in) ± 1%	
Weight	≤ 500kg (1102lbs) ±1%	
Cable Length	Optional 4.5m (15ft) or 7m (23ft)	
Safety		
Input Protection	OVP, OCP, OPP, OTP, UVP, SPD	
Output Protection	OCP, SCP, OVP, LVP, OTP, IMD	
Emergency Stop	Emergency Stop Button	
Regulation		
Certificates	UL 2202, UL2231, EnergyStar™	
Charging Interface	DIN 70121, ISO15118	
Available Configurations & Part Numbers		
Dual 300A CCS1, 4.5m (15ft) Cables	DSWU182101DCWN-RW	
Dual 300A CCS1, 7m (23ft) Cables	DSWU182101DCWS-RW	