

UPGRADABLE TO 180kW
















Optional top mount cable retractor sold separately

## WATTI DIRECT 120KW



Free-standing 120kW DC fast charger | Upgradable to 180kW  
Ideal for parking garages, quick service restaurants, fleets & service stations.

-  Simultaneous dual DC charging
-  Two CCS1 charging connectors
-  300A cables, choice of 4.5m (15ft) or 7m (23ft) lengths
-  Upgradable to 180kW
-  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.



Add up to two additional 30kW DC Charging Modules, sold separately

# TECHNICAL SPECIFICATIONS



|                                                    |                                                                                                                               |                                                    |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Model Name                                         | Watti Direct 120kW                                                                                                            |                                                    |
| Installation Type                                  | Free Standing (top mount cable retractor sold separately)                                                                     |                                                    |
| Safety                                             | NRTL – cETLus (USA/Canada)                                                                                                    |                                                    |
| <b>Power Specification</b>                         |                                                                                                                               |                                                    |
| AC Input                                           | Input Rating                                                                                                                  | 3 $\Phi$ _480 Vac (+10%, -15%)                     |
|                                                    | AC Input Connection                                                                                                           | 3P+N+PE (Wye configuration), TN/TT                 |
|                                                    | Input Current                                                                                                                 | 3 $\Phi$ 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                                                                                         |                                                    |
| <b>User Interface &amp; Control</b>                |                                                                                                                               |                                                    |
| 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                                                                                       |                                                    |
| <b>Communication</b>                               |                                                                                                                               |                                                    |
| Network Connection                                 | WiFi/LAN/4G                                                                                                                   |                                                    |
| Internal Communication                             | CAN bus/RS485                                                                                                                 |                                                    |
| Charge Protocol                                    | OCPP 1.6 JSON (Upgradeable to 2.0.1)                                                                                          |                                                    |
| <b>Environmental</b>                               |                                                                                                                               |                                                    |
| 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                                                                                                                   |                                                    |
| <b>Mechanical</b>                                  |                                                                                                                               |                                                    |
| Cabinet Dimensions (W x H x D)                     | 800mm x 1900mm x 650mm (31.5in x 74.8in x 25.6in) ± 1%                                                                        |                                                    |
| Weight                                             | ≤ 420kg (926lbs) ± 1%                                                                                                         |                                                    |
| Cable Length                                       | Optional 4.5m (15ft) or 7m (23ft)                                                                                             |                                                    |
| <b>Safety</b>                                      |                                                                                                                               |                                                    |
| Input Protection                                   | OVP, OCP, OPP, OTP, UVP, SPD                                                                                                  |                                                    |
| Output Protection                                  | OCP, SCP, OVP, LVP, OTP, IMD                                                                                                  |                                                    |
| Emergency Stop                                     | Emergency Stop Button                                                                                                         |                                                    |
| <b>Regulation</b>                                  |                                                                                                                               |                                                    |
| Certificates                                       | UL 2202, UL2231, EnergyStar™                                                                                                  |                                                    |
| Charging Interface                                 | DIN 70121, ISO15118                                                                                                           |                                                    |
| <b>Available Configurations &amp; Part Numbers</b> |                                                                                                                               |                                                    |
| Dual 300A CCS1, 4.5m (15ft) Cables                 | DSWU12210IDDWN-RW                                                                                                             |                                                    |
| Dual 300A CCS1, 7m (23ft) Cables                   | DSWU12210IDDWS-RW                                                                                                             |                                                    |