

180kW / 320kW - Level 3

# Titon

Future ready DC fast charger



## Smart O&M

Remote monitoring and diagnosis, firmware OTA upgrade (OCPP 1.6j).

## Load Management

Smart Power distribution according to each EV's demand.

## Flexibility

CCS2 and CHAdeMO optional, meets different EV requirements.

## 180 MAIN FEATURES

- 200-1000Vdc wide output voltage range.
- Flexible configuration, high efficiency & maximum 300A output.
- Connect to any back end based on OCPP 1.6J protocol.
- Flexible payment modes, equipped with payment terminal.
- Optional cable management system.

## 320 MAIN FEATURES

- 150-1000Vdc wide output voltage range, compatible with most EV models in market.
- High performance, 97% efficiency & maximum 500A output.
- Flexible configuration, CCS1 and NACS available.
- User friendly Cable Management – easier operation. Light on the top (optional) for clearer indication.
- Dynamic load management.

# Specifications 180kW Charger

General Information - Titon 180	
Input Rating	480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+PE+N (Neutral optional)
Input Current Rating	AC 250A (AC 210A for 150kW output and AC 170A for 120kW output)
Power Factor	≥0.99 @ Full load
Efficiency	≥94% @ Full load (peak)
Output Interface	CCS1+CCS1
Output Power	180kW max.
Output Voltage	200-1000Vdc
Output Current	300A max./connector
User Interface	
Display	10.4 in. touch screen
Button and switch	Emergency button
User Authentication	RFID card, App, Payment Terminal (optional)
RFID Reader	ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693
Communication	
Network Interface	4G, Wi-Fi, Ethernet
Protocol (EVSE&Back end)	OCPP 1.6J
Protocol (EVSE&EV)	DIN 70121, ISO 15118
Environmental	
Operating temperature	-22°F to 131°F (Derating from 122°F)
Storage temperature	-22°F to 158°F
Humidity	5% to 95% no condensation
Altitude	≤ 6561.28 ft above sea level
Mechanical	
NEMA Enclosure	Type 3R
IK Rating	IK10 (Screen is IK08)
Cooling	Forced Air
Noise Emission	≤65dBA @3.3 ft (full load)
Charging cable length	16.4 ft (optional 23 ft)
Cable Management System	<b>Optional:</b> Trapezoidal Swing Arm version
Dimensions	2.62 x 6.73 x 2.46 ft (800 x 750 x 2050 mm) (WxHxD) B(excluding cable management)
Weight	Approx. 903.9 lb (excluding power modules)
Installation	Ground mounting
Certification and Standards	
Standards and Compliance	FCC part 15 Class A, UL 2202, UL 2231-1, UL 2231-2
Certification	CSA, FCC, OCA, Energy Star

# Specifications 320kW Charger

General Information - Titon 320	
Input Rating	480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+PE+N (No neutral for IT system)
Input Current Rating	415Aac
Power Factor	≥0.98 @ Full load
Efficiency	97%
Output Interface	CCS1+CCS1, NACS+CCS1, NACS+NACS (simultaneous charging)
Output Power	320kW max. (80kW as an increment)
Output Voltage	150-1000Vdc
Output Current	Rating 300A/connector (15min @ 500A max.)*
User Interface	
Display	10.4 in. touch screen
Button and switch	Emergency button
User Authentication	RFID card, App, Payment terminal (optional)
RFID Reader	ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693
Communication	
Network Interface	4G, Wi-Fi, Ethernet
Protocol (EVSE&Back end)	OCPP 1.6J (OCPP2.0 in the future)
Protocol (EVSE&EV)	DIN 70121, ISO 15118
Environmental	
Operating temperature	-22°F to 131°F (Derating above 122°F)
Storage temperature	-40°F to 158°F
Humidity	5% to 95% no condensation
Altitude	≤6561 ft above sea level
Mechanical	
NEMA enclosure	Type 3R (IP55)
IK Rating	IK10 (Screen is IK08)
Cooling	Forced Air
Charging cable length	16.4 ft (19.7 ft optional)
Cable Management System	<b>Optional:</b> Swing Arm version 16.4 ft cable @ approx. 9.8 ft operating range (cable will not touch ground) 19.7 ft cable @ approx. 13.1 ft operating range (1 ft cable will be on ground)
Dimensions	2.62 x 7.22 x 2.46 ft (WxHxD) with cable management system
Weight	Approx. 1080 lb (excluding power modules)
Installation	Ground mounting
Certification and Standards	
Standards and compliance	FCC part 15 Class A, UL 2202-2, UL 2231-1, UL 2231-2, UL991, UL1998, CTEP, OCA, Energy Star



Contact a SimplyFuel Solutions consultant for the options that best fit your needs.



## Contact

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