



# Product Datasheet

European Standard

Star Charge International Corp.

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# Titan 320



## Main Features

- 200-1000Vdc wide output voltage range, compatible with most EV models in market.
- High performance, 97% efficiency & maximum 500A output.
- User friendly Cable Management – easier operation. Light on the top(optional) for clearer indication.
- Connect to any backend based on OCPP protocol.
- Dynamic load management.



## Specifications

General Information	
Input Rating	400Vac $\pm$ 10%, 3 phases, 50/60Hz, L1+L2+L3+PE+N (N is optional)
Input Current Rating	AC 481A for 320kW output / AC 421A for 280kW output / AC 361A for 240kW output
Power Factor	$\geq$ 0.99 @ Full Load
Efficiency	97%
Output Interface	CCS2+CCS2 (simultaneous charging)
Output Power	320kW max.(40kW as an increment)
Output Voltage	200-1000Vdc
Output Current	Rating 300A/connector(15min @ 500A max.)
User Interface	
Display	10.4-inch touch screen
Support Language	English (Other languages available upon request)
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&Backend)	OCPP 1.6J (OCPP2.0 could be updated in the future)
Protocol (EVSE&EV)	DIN 70121, ISO 15118
Environmental	
Operating Temperature	-30° C to 55° C(Derating above 50° C)
Storage Temperature	-40° C to 70° C
Humidity	5% to 95% (no condensation)
Altitude	$\leq$ 2000m above sea level
Mechanical	
IP Rating	IP55
IK Rating	IK10 (Screen is IK08)
Cooling	Forced Air
Charging Cable Length	5m or 6m (optional)
Cable Management System	Optional / Swing Arm version 5m cable @ approx. 3m operating range (cable will not touch ground) 6m cable @ approx. 4m operating range (0.3m cable will be on ground)
Dimensions (WxHxD)	800*2050*750mm 1259*2225*800mm (with cable management system)
Weight	Approx. 410kg (excluding power modules)/CMS approx. 36kg/Upper LED light approx. 15.5kg/Approx. 17kg per power module*
Installation	Ground mounting
Certification and standards	
Standards and compliance	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, LVD 2014/35/EU, RED 2014/53/EU
Certification	CE, CB

Note: Pictures are for reference only, please prevail in kind.