

Nexus Distributed Charger System - 480kW

Specification Sheet



Nexus Distributed Charger System - 480kW

Specifications Sheet

CHARGE**TRONIX**

480kW Power Cabinet	
Input voltage	480VAC ±10%
Input frequency	50~60Hz
Input type	3P + PE
Input AC Current(FLA) (Note: 2 x Input Circuit per Power Cabinet)	315A Each Circuit
Input power	524kW
Power factor	0.99
THDi	≤ 5%
Peak Efficiency	≥ 96%
Output power	480kW
Output voltage	200~1000VDC
Full Power Operating Voltage	300~1000VDC
Max Current Output Per Channel	500A
Max Current Output Complete System	1,600A
# DC Outputs	Up to 6
Output Power Granularity (Dynamic Power Sharing)	40kW Increments
Dimension	≤W55-1/8xD39-3/8xH82-43/64 inches(W1400xD1000xH2100mm)
Weight	≤1984.16lbs(900kg)
Dual Output Dispenser/User Unit	
Output voltage	200~ 1000V
Number of Input Circuits per Dispenser	Up to 2
Maximum current per connector	CCS1/NACS (Air Cooled) 200/350A(boost to 400A) CCS1/NACS (Liquid Cooled): 500A
Communication Protocols	DIN 70121, ISO 15118-2, PnC (Hardware Capable)
Cable length	16.4ft(5m)
Cable Management	Yes (Arm Type)

CHARGE**TRONIX**

Chargetronix
3587 Harbor Blvd
Costa Mesa, CA 92626 USA

Contact Us

Visit: www.chargetronix.com
Call: +1 (949) 649-1644
Email: support@chargetronix.com

Nexus Distributed Charger System -480kW

Specifications Sheet

CHARGE**TRONIX**

Continued - Dual Output Dispenser/User Unit	
User Interface	15” Touch Screen + LED Indication Lighting
Payment Methods	RFID / Credit Card / App
CSMS Communications	OCPP 1.6 JSON, OCPP 2.0.1
Networking	LAN / Cellular / WiFi (Option)
Dimensions	≤ W17-23/32xD29-17/32xH82-43/64 inches(W450xD750xH2100mm)
Weight	≤ 531.3lbs(241kg)
General	
IP & IK rating	NEMA3 R IK10
Operating Temperature	Up to 122°F(50 °C): 100% output power, 122°F-149°F(50-65 °C) interval, linear power limit, 149°F(65 °C) or more, module shutdown protection.
Storage Temperature	-22°F-158°F(-30 °C to +70 °C)
Humidity	5% - 95 % Rh non condensing
Altitude	≤ 6561ft (2000m)
Remote Management	Remote Access, Diagnostics, Software Updates
Enclosure	Hot dip Galvanized Sheet
Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over temperature protection, Surge Protection Device, Emergency Stop Protection
Operational functions	Tilt detection, flood detection, smoke detection, heater
Standards & Certifications	UL 2202:20022
	UL 2231:2022
	cTUVus
	FCC Part 15
	EMC Class A (Industrial)
	CTEP & NTEP
	EnergyStar (Compliant)
	OCA OCPP 1.6
	OCA OCPP 2.0.1

CHARGE**TRONIX**

Chargetronix
3587 Harbor Blvd
Costa Mesa, CA 92626 USA

Contact Us

Visit: www.chargetronix.com
Call: +1 (949) 649-1644
Email: support@chargetronix.com