

## DS180 Series 180kW

### Free Standing DC Fast Charger



NEV-DS180 Single Unit



NEV-DS180 Cable Management



#### Key Features

- Network or Standalone Operation
- User Authentication
- Optional Cable Management Accessories
- Supports Smart Charging and Load Balancing
- Efficiency > 94%
- PF > 0.99 (APFC)
- Customization Available
- 7-inch LCD Screen with User Friendly Interface

#### Electrical

- 480VAC Three Phase; 50Hz/60Hz.
- 180kW maximum output power (DC).
- PF: >0.99 (APFC)
- Efficiency ≥ 94%
- Operating Temperature: -30°C to 50°C (-22°F to +122°F).

#### Mounting

- Pedestal mount only. Consult factory for more information on installation.

#### Construction

- CHAdeMO compliant high-power charger connectors standard.
- Dimensions: 31.50 in. x 25.59 in. x 74.80 in.
- Net Weight: ≤1102 lbs.
- Cable Length: 15 ft. standard; 23 ft. optional.
- Optional fan-cooled 300A charging connector.
- Optional cable management system provides the appropriate reach while keeping cables off the ground in between use. Sold separately.

#### Communication

- Interface: Supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966),
- OCPP, QR Code, Mobile App, & Optional Third Party Payment System
- External: Ethernet, 4G, and Wi-Fi
- Optional OCPP-compliant back-end management software available.<sup>1</sup>

#### Warranty

- Backed by National EV's Five-Year Warranty.

#### Product Overview

Drive more traffic to your property with the next level of charging! With DS180, you'll have industry-leading DC fast charging technology that meets the needs of electric vehicles today and is ready to satisfy more demand tomorrow.

The new DS180 Level 3 DC fast chargers facilitate convenient charging of all electric vehicle models, including those with high voltage battery systems. They are ideal for applications needing to serve the public and fleets, including cars, buses, and trucks. DS180 is perfect for locations looking to add the benefit of electric vehicle charging, including retailers, fueling stations, convenience stores, and logistics companies.

#### Product Applications

- Commercial EV Fleet
- Business Campus
- Hospitality/Public Venues
- Healthcare Facilities
- Industrial Facilities
- Manufacturing Facilities
- Educational Facilities
- Auto Dealerships
- Gas Stations
- Multi-Family Dwellings
- Municipalities
- Commercial Facilities

#### Product Certifications/Approvals

- ETL Listed.
- Suitable for Wet Locations.
- NEMA 3R/IP55 Rated Enclosure.
- RoHS Compliant.



#### Ordering Information

Example: NEV-3-180-1-2-S-1

NEV						
Series	Generation	kWs	Comms	Mounting	Cables	Connectors
	3	180	1	2	S	1
	Level 3 DC Fast Charge	180kW	Ethernet, WiFi and 4G	Pedestal	Standard 16 ft.	CCS1 and CHAdeMO
					L 23 ft.	2 Dual CCS1

1. OCPP-compliant software for managing EV charging stations sold separately. For more information, please consult factory.

# DS180 Series 180kW

Ultra-Fast DC Electric Vehicle Charger

**National EV**

## Product Specifications

<b>AC INPUT</b>	Input Rating	3 $\Phi$ 480VAC (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye Configuration), TN/TT
	Max. Input Current	DC System: 3 $\Phi$ 232A
	Frequency	50Hz/60Hz
	Power Factor	>0.99
	Efficiency	$\geq$ 94% (at optimize V/I point)
<b>DC Output</b>	Output Voltage Range	150~950Vdc
	Max. Output Current	300A@600V
	Max. Output Power	180kW
	Voltage Accuracy	$\pm$ 2%
	Current Accuracy	$\pm$ 2%
<b>USER INTERFACE &amp; CONTROL</b>	Display	7" TFT-LCD Screen
	Push Buttons	Operation Buttons / Emergency Stop Button
	User Authentication	RFID: Supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, QR Code, Mobile App, & Optional Third Party Payment System
<b>COMMUNICATION</b>	External	Ethernet / 4G / WiFi
	Internal	CAN bus/RS485
<b>ENVIRONMENTAL</b>	Operating Temperature	-30°C to 50°C (-22°F to +122°F)
	Altitude	$\leq$ 6562 ft.
	IP Level	NEMA 3R / IK10 (Non Including Screen and RFID Module)
	Cooling Method	Fan Cooling
<b>MECHANICAL</b>	Dimensions (WxDxH)	31.50 in. x 25.59 in. x 74.80 in. $\pm$ 1%
	Weight	$\leq$ 1102 lbs. $\pm$ 1%
	Cable Length	15 ft. standard; 23 ft. optional
<b>PROTECTION</b>	Input Side	OVP, OCP, OPP, OTP, UVP, SPD
	Output Side	OCP, SCP, OVP, LVP, OTP, IMD
<b>REGULATION</b>	Certificate	UL2202 , UL2231, Energy Star
	Charging Interface	DIN 70121, ISO15118