Nidec Conversion

DirectPowerPS™

ULTRA-FAST ALL-IN-ONE DC CHARGER
120-360kW

- All-in-one architecture results in significantly **lower construction costs** while providing an ultra-fast charging experience for the driver.
- Small footprint, attractive design and customizable display makes DirectPowerPS **ideal for retail** applications.
- Nidec's history of quality manufacturing paired with best-in-industry service offerings result in **high uptime** and driver satisfaction

ULTRAFAST CHARGING WITH NO LIMITS

Other configurations available upon request

CSA certified to UL standards. Built in Cleveland, OH, compliant with "Made in America" & all other applicable NEVI, CARB, and CTEP requirements.

FEATURES FOR ALL VERSIONS

COMPACT – Up to 360kW in 40.3"x35.1"x93.9" footprint

DYNAMIC POWER SHARING – 120kW to 360kW dynamically assigned to each connector during charging

SCALABLE – Modular design 120kW to 360kW in 60kW steps

EASY TO REPAIR – Each 30kW power module only weighs 33lbs, no special tools required

ANY VEHICLE – Wide output range from 150V to 1000V. Compatible with all EVs

STANDARDS – CSA certified to UL2202, UL2231-1, UL2231-2. CTEP certified. NEVI, BABA, CARB compliant. CCS1 & NACS/J3400 available

CONNECTIVITY – 4G Cellular, Ethernet and WiFi connectivity options

SAFETY - Flood switch with shunt trip protects users and first responders in case of flooding

FLAGSHIP VERSION

EASE OF USE – All cables rated to 500A max/boost. **Air cooled:** 250A/350A continuous. **Liquid cooled:** 500A continuous

CONVENIENCE – Cable retractor to keep cable organized

ACCESSIBLE – Large 15.6" touchscreen for user interaction within easy reach

PAYMENT READY – RFID card reader accepts payment cards & mobile payment

VISUAL PRESENCE – Angled door, large 32" display for advertising, LED lighting for status & visibility

HURRICANE VENTS – IP55 rated, resilient in challenging conditions

VALUE ADDED SERVICES

DIAGNOSTICS – Nidec By Your Side (BYS) remote diagnostics system for supervision, maintenance and troubleshooting

SERVICE – 24/7 Remote support and on-site service available in 3 service levels

SCALABLE – Modular design enables availability of custom power rating from 120kW to 360kW upon request

DYNAMIC LOAD MANAGEMENT – Power management dynamically assigned across all stations on a site

CUSTOMIZATION – Branding colors and logos to match customer needs

FLEET VERSION

ROBUST – Air cooled cable options: rated to 500A boost, 250A & 350A continuous

SIMPLE – Cable management hook instead of retractor

ACCESSIBLE – 15.6" touchscreen for user interaction within easy reach

DRIVER AUTHENTICATION – RFID card reader

CLEAN APPEARANCE – Flat door, no 32" display, no LED lighting

HURRICANE VENTS – IP55 rated, resilient in challenging conditions

DYNAMIC LOAD & POWER

Dynamic power sharing enables site owners to reduce capital costs and increase profitability. Rapidly charge more vehicles with fewer chargers while efficiently monetizing all available site power.

DYNAMIC POWER: SOLO

All power is sent to one CCS1 or NACS/ J3400, up to 360kW

DYNAMIC POWER: DUAL

Simultaneoaus charging of two vehicles. Power to each vehicle can be adjusted dynamically, for example from 120kW to 360kW in the DirectPowerPS 360 model.

FLEET AND FLAGSHIP CHARGING STATIONS

YOUR NETWORK.
YOUR SOFTWARE. YOUR WAY.

You've chosen to power your EV fleet or equip your public charging stations with reliable, ultra-fast EV charging infrastructure from Nidec.

Now, optimize that investment with the Nidec By Your Side (BYS) software platform. This dynamic, data-driven software makes it possible to monitor and maintain your Nidec EV infrastructure's operation remotely. By making it easy to track energy usage, detect and resolve operational issues, set and update charging rates – and more, BYS will help you maximize charging station uptime, increase driver satisfaction and improve overall performance.

YOUR CONTROL ROOM OR OURS

Nidec lets you choose whether you wish to monitor and control the operation of your charging infrastructure from your own command center or have Nidec manage it on your behalf.

If you wish to self-administer BYS, Nidec will deliver your operating data to you either through the BYS interface or directly to you and your maintenance platform through our API. BYS provides a robust level of detail, but a lower level of detail is available through OCPP. If you prefer to focus on other priorities, Nidec can use BYS to monitor your EV infrastructure from our command center. You choose the level and type of service you prefer, from simple monitoring and data-tracking to a complete package of diagnostics and onsite service and support.

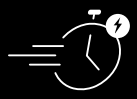
BYS access can be purchased on a subscription basis. It is also included at no additional charge to station operators with Plus and Premium subscriptions to Nidec's Expanded Support & Maintenance Services plans.

WHAT IT MEANS TO HAVE NIDEC BYS

Nidec is a global leader in power management. Our understanding of the EV charging sector is built on decades of experience in renewable energy, Battery Energy Storage Systems (BESS) and electrical grid management. With Nidec By Your Side, you get a partner who will put that expertise to work for you.

WITH NIDEC BYS, ENSURING AVAILABILITY HAS NEVER BEEN EASIER

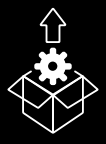
Integrating BYS into your EV charging infrastructure is like having your own personal Nidec service technician at your disposal, ready to support:



COMMISSIONING
BYS makes it possible to commission new EV charging equipment remotely, eliminating the time and expense of bringing skilled commissioning professionals to the installation site.

SYSTEM MONITORING
By monitoring your EV infrastructure in real time, BYS can alert you and/or Nidec when operating conditions trigger unexpected trends or exceed thresholds. System analytics make it possible to track performance over time.

TROUBLESHOOTING & FAULT DIAGNOSIS
Originally designed to support remote assistance and diagnostics, BYS can help identify root causes of problems and prescribe maintenance and repair solutions.



SETUP & CONFIGURATION
Enabling in-unit power allocations, load-sharing and other features through setup and configuration can be performed remotely through BYS, with decision-making coordinated between you and your Nidec support professional.

PRICE-SETTING
BYS enables charge point operators to set and update customer pricing for retail charging stations. Fleet operators can use cost information for accounting purposes or to compare EV costs with gasoline-powered alternatives.

REPORTING
A BYS dashboard displays dynamic data on everything from uptime to energy use on individual EV chargers, select groups and entire charging systems. Standard reporting is available and individual reporting can be created to accomodate customer needs. Operators can use this data to document performance and support decision-making.

REMOTE COMMANDS AND MAINTENANCE
BYS installs firmware updates and system enhancements automatically. This includes enhanced features and resetting individual components.

Nidec

BYYOURSIDE

YOUR NETWORK. YOUR SERVICE. YOUR WAY.

Whether you operate a fleet of electric vehicles or a nationwide chain of EV charging stations, your time is limited. So why not spend it focused on your core business, and leave the maintenance of your EV infrastructure to Nidec?

Not only will our turnkey support & maintenance services save you time, but they can also help maximize your EV system's performance and uptime. Whether remote or onsite, responsive service and maintenance are key to maintaining a high quality charging station operation with maximum uptime.

A TURNKEY APPROACH TO MAINTAINING YOUR NIDEC EV INFRASTRUCTURE:

TECHNICAL SUPPORT IS ALWAYS OPEN
Nidec's 24/7 Help Desk is here to provide technical support by phone when you need it most.

REMOTE SUPPORT & DIAGNOSTICS
If you subscribe to Nidec's By Your Side (BYS) remote monitoring service, our service team will use BYS to get the most up-to-date information about your chargers to provide remote assistance and diagnostics. Based on the nature of your need, our technical service team will either address the issue remotely or escalate the call to the level of technical expertise you need.

ONSITE SERVICE
For maintenance and repairs that cannot be completed remotely, our service team can manage the dispatch of onsite parts and service.

TRAINING
For those with existing service contracts, Nidec can provide training modules for customer service and operations teams that interface with Nidec EV infrastructure.

CHOOSE FROM THREE LEVELS OF EXPANDED SERVICE

Nidec lets you choose the level of service & maintenance beyond your Standard Warranty that best fits your needs. Three levels of service are available on a subscription basis: **Business, Plus or Premium.**

Service	Standard Warranty	Business	Plus	Premium
Extended Warranty		✓	✓	✓
Parts in 24 Hours				✓
Parts Next Business Day		✓	✓	
By Your Side		○	✓	✓
Station Management		✓	✓	✓
24 Hour Help Desk	✓	✓	✓	✓
Remote Monitoring	✓	✓	✓	✓
Premium Software Upgrades		○	✓	✓
Proactive Service Dispatch		✓	✓	✓
Preventative Maintenance		○	✓	✓
On Site Next Business Day				✓
On Site in Two Business Days			✓	
On Site in Five Business Days		✓		

✓ : Included
○ : Optional, at an additional charge

WHAT IT MEANS TO HAVE SUPPORT & MAINTENANCE SERVICES FROM NIDEC

Nidec is a global leader in power management. Our understanding of the EV charging sector is built on decades of experience in renewable energy, Battery Energy Storage Systems (BESS) and electrical grid management. With Nidec, you get a responsive partner with the deep resources, EV expertise and remote monitoring tools to meet uptime requirements and keep your EV infrastructure in top operating condition.

TECHNICAL DATA

INPUT	**Network**	3 Phase, PE, 60Hz
	Input Voltage	480V AC +/- 5%
	Input Current	Up to 464A AC
OUTPUT	**Output Power**	Up to 360kW, also available in 120kW, 180kW, 240 kW, and 300kW
	Charging Configuration	• 2x CCS1, 1x CCS1 • 2x NACS, 1x NACS & 1x CCS1, 1x NACS
	DC Output Current	Air-cooled cable: • 250A continuous, 500A boost mode • 350A continuous, 500A boost mode Liquid-cooled cable: • 500A continuous
	DC Output Voltage	150V to 1000V
MAIN CHARACTERISTICS	**Efficiency**	≥ 0.95 at full load
	Cable Length	16ft and 23ft
	User Interface Display	15.6" touchscreen
	Features	Payment terminal and RFID card reader
	Cooling	Air
	Customization	Upon request: customizable with end user's colors and logos
	Reference Standards	IEC 61851-1, IEC 61851-22, IEC 61851-23, IEC 61851-24, DIN 70121, ISO15118, CSA Certified to UL Standards 2202, 2231-1, 2231-2; NEVI/CTEP/CARB compliant
INTERFACE	**Connection**	4G communication - Ethernet and WiFi available
	Protocol	• OCPP 1.6J • OCPP 2.0.1
DIMENSIONS & WEIGHT	**Dimensions Footprint**	Flagship: 40.3" x 35.1" x 93.9", Fleet: 34.4" x 32.76" x 93.9"
	Weight	Flagship: (120kW to 360kW): 1808 lb to 2088 lb, Fleet: (120kW to 360kW): 1638 lb to 1918 lb
WORKING AND INSTALLATION CONDITIONS	**Operating Temperature**	-20°C +50°C / -4°F to +122°F
	Installation Type	Outdoor
	Protection / Impact Class	NEMA 3R, IP55
	Humidity	From 5% to 95% without condensing
	Height a.s.l.	< 2000m
OPTIONAL ACCESSORIES & FUNCTIONS	**Modularity/ Expandability**	• 360kW standard • Lower power versions (120kW to 300kW) available upon request
	Optional 32" Screen	For customer content or advertising
	Card Reader	• Payment Terminal: credit/debit cards and mobile payment • RFID card reader
	Connection/Service	• Nidec By Your Side cloud-based monitoring and management system • 3 levels of extended service plans available
	Dynamic Power Sharing	Dynamic PowerSharing of up to 300kW between 2 vehicles available, e.g. 120kW / 180kW / 240kW / 360kW

FLEET MODEL NUMBERS

MODEL NO.	CHARGER TYPE	CABLE OPTIONS
EVDIS-L120DF	120kW Fleet charger, air-cooled cables	All charger models are available with these air-cooled cable options: • CCS1 o 250A continuous, 500A max o 350A continuous, 500A max • NACS o 250A continuous, 500A max o 350A continuous, 500A max
EVDIS-L150DF	150kW Fleet charger, air-cooled cables	
EVDIS-L180DF	180kW Fleet charger, air-cooled cables	
EVDIS-L210DF	210kW Fleet charger, air-cooled cables	
EVDIS-L240DF	240kW Fleet charger, air-cooled cables	
EVDIS-L270DF	270kW Fleet charger, air-cooled cables	
EVDIS-L300DF	300kW Fleet charger, air-cooled cables	
EVDIS-L330DF	330kW Fleet charger, air-cooled cables	
EVDIS-L360DF	360kW Fleet charger, air-cooled cables	
EVDIS-L120LF	120kW Fleet charger, liquid-cooled cables	All charger models are available with these liquid-cooled cable options: • CCS1, 500A continuous • NACS, 500A continuous (Q4 '25)
EVDIS-L150LF	150kW Fleet charger, liquid-cooled cables	
EVDIS-L180LF	180kW Fleet charger, liquid-cooled cables	
EVDIS-L210LF	210kW Fleet charger, liquid-cooled cables	
EVDIS-L240LF	240kW Fleet charger, liquid-cooled cables	
EVDIS-L270LF	270kW Fleet charger, liquid-cooled cables	
EVDIS-L300LF	300kW Fleet charger, liquid-cooled cables	
EVDIS-L330LF	330kW Fleet charger, liquid-cooled cables	
EVDIS-L360LF	360kW Fleet charger, liquid-cooled cables	

Have questions? Get in touch at: ev@nidec-industrial.com
or scan the QR Code and contact us directly

Nidec

All for dreams

REV-005 - 07/30/2025

www.nidec-conversion.com