

JuicePump™ 175kW



Offer powerful DC fast charging

Boost your business' electric vehicle infrastructure with JuicePump 175kW, an advanced version of the JuicePump 50kW DC fast charging (DCFC) solution. Install at a low cost with utility or government incentives to attract new customers that drive electric vehicles. Drivers can charge up to 80% within 20 minutes. Minimize maintenance fees with a state-of-the-art liquid-cooling system that keeps your DCFC operating smoothly in all conditions and allows maximum power delivery to vehicles with both 400V and 800V batteries. JuicePump 175kW is built to last and made for high utilization customer needs including fleets and re-fueling stations.

Take advantage of EVSE infrastructure incentives to bring JuicePump 175kW to your property today:

- Attract more visitors to your business by offering fast charging
- Generate revenue with unattended payment terminal (UPT*) and in-app software payment options
- Delineate preferred access and payment settings from the JuiceNet Enterprise smart charging platform
- Invest in a durable DCFC that includes UV-resistant exterior
- Minimize DCFC maintenance costs with the JuicePump 175kW's state-of-the-art liquid-cooling system

Why JuicePump?

Faster charging

Drivers can charge vehicles to 80% battery capacity in under 20 minutes

Eligible for incentives

JuicePump is approved for utility and government incentive programs including CALeVIP, MassEVIP and others

Plug and Charge Support

Charge your vehicle easily and safely without the need to authenticate yourself using any software, RFID card, mobile app

Attract EV drivers

Put your business on the map and join a fast-growing network that serves thousands of EV drivers

Universal compatibility*

CCS-1 and CHAdeMO compliance ensures compatibility with all EVs**

Smart charging software

Use the JuiceNet software platform to collect payment and grant station access

*USA and Canada only

**Tesla requires CHAdeMO adapter

DISPENSER UNIT

Connectors	<ul style="list-style-type: none"> > Single CCS1 > Dual CHAdeMO and CCS1
Cord Length	> 13.5 ft
Output current	> CCS1 up to 350A; CHAdeMO up to 200A
Output Voltage	> CCS1 200 Vdc to 920 Vdc; CHAdeMO 200 Vdc to 500 Vdc
Electrical Output	> Up to 175 kW
Supply Frequency	> 60 Hz
IP/IK Rating	> IP65, NEMA Type 3R;
Efficiency	<ul style="list-style-type: none"> > V 400 Vdc – I 350 Adc – 96,2% > V 400 Vdc – I 75 Adc – 95,8% > V 860 Vdc – I 200 Adc – 97,5% > V 860 Vdc – I 50 Adc – 97,4%
Power Factor	<ul style="list-style-type: none"> > V 400 Vdc – I 350 Adc – 0,99 > V 400 Vdc – I 75 Adc – 0,87 > V 860 Vdc – I 200 Adc – 0,99 > V 860 Vdc – I 50 Adc – 0,93
Self consumption (idle condition)	<ul style="list-style-type: none"> > Active power 124,7 W > Reactive power -71,8 VAR
Temperature	> -30°C to 50°C (-22°F to 122°F)
RFID	> RFID supported with standards: MIFARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC, EMV 2.0
Payment	> Optional UPT (universal payment terminal) that supports VISA, AMEX, MasterCard, Apple Pay and Google Pay.
JuiceNet Enterprise Software	<ul style="list-style-type: none"> > Precision measurement of power, energy, voltage & current > Web-based portal: set payment rates and charging hours; monitor charging status and consumption data; control station access; load balancing > Driver app to monitor and pay for charging (iOS & Android) > Read more on JuiceNet Enterprise datasheet
Weight	> 573 lbs/260 kg
Dimensions	> H: 6.7 in / 2011 mm x W: 3.3 in / 993 mm x D: 1.9 in / 532 mm
Certifications	> cUL, UL, CHAdeMO, RCM, FCC, IC



POWER UNIT

Input	> 480VAC (Canada 600VAC) +/-10% 3ph ;
Input Overvoltage Category	> Category 3
Output Voltage	> 950V DC
Electrical Output	> Up to 178 kW
Supply Frequency	> 60 Hz +/-10%
Total Harmonic Distortion	> <13%
Temperature	> -35°C to 50°C (-31°F to 122°F)
IP/IK Rating	> IP54
Power Supply	> Battery backed UPS
Network Connection	> 4G and Gigabit Ethernet
Dimensions	> 2,110mm (6'11") (H) x 660mm (2'2") (W) x 1,060mm (3'6") (D)
Weight	> 1102lb/500kg; 2178lb/980kg with transformer
Communication Protocol	> Open ADR Certified. OCPP 1.6J with TLS1.2 encryption and Smart Charging Profile



GRID Connection Parameters

Maximum Current	> At 480 VAC - 250A (Canada at 600VAC - 200A)
Overcurrent Protection	> UL Listed 320A (Canada 250A) Breaker (The nominal rating must not exceed 320A in order to maintain primary protection for the LV transformer)
Minimum buried cable for AC link	> Twin 3/0 Cu for L1, L2, L3 > Single 3/0 Cu for PE
Maximum length for buried cable for AC link as described above	> 656ft/200m
Product Warranty	> 2 years