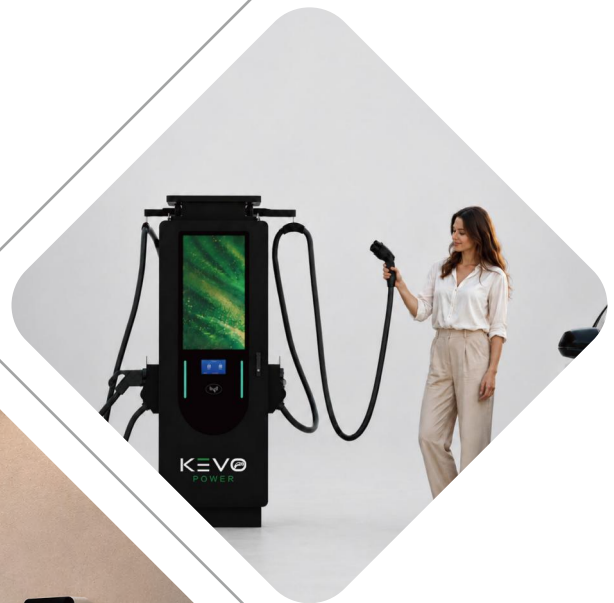


BUSINESS BROCHURE  
EV CHARGER



## DC SERIES VII

Standard Fast EV Charger

# DC 60KW to 240KW

KP-D120D-VII



### 7-inch Color Touch Screen

User-friendly interface with crisp visuals for an effortless charging experience.



### 4G / Ethernet / WIFI

Flexible multi-mode network communication for stable, real-time remote management.



### Communication Protocol: OCPP 1.6J / 2.0.1

Seamless smart connectivity and backend integration powered by universal OCPP 1.6J protocol.



### IP54 Waterproof & Noise: ≤75db

Built for the elements and quiet spaces alike. It delivers robust IP54 defense against rain and dust and runs quietly at under 75dB for commercial and residential comfort.



### Modular Design for Maintenance

Simplified maintenance and independent power module replacement, minimizing station downtime.



### Power Assisted Arm (optional)

Ergonomic gravity compensation minimizes lifting effort for easy plugging. Flexibly rotates to extend reach and automatically retracts to prevent cable wear.



### Working Temperature: -30°C to 70°C

All-weather durability, performing flawlessly in extreme climates from -30°C to 70°C.

# PRODUCT PARAMETERS

| Model                                                | KP-D60D-VII                                                                                                                                                     | KP-D80D-VII | KP-D120D-VII | KP-D160D-VII   | KP-D180D-VII | KP-D240D-VII |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------|--------------|--------------|
| Rated Input Voltage                                  | AC380 V three-phase five-wire                                                                                                                                   |             |              |                |              |              |
| Input Voltage Range                                  | 380 VAC ±20 %                                                                                                                                                   |             |              |                |              |              |
| Maximum Input Current                                | 116 A                                                                                                                                                           | 152 A       | 228 A        | 304 A          | 384 A        | 456 A        |
| Operating Frequency                                  | 50/60 Hz                                                                                                                                                        |             |              |                |              |              |
| Output Voltage Range                                 | 50–1000 V DC                                                                                                                                                    |             |              |                |              |              |
| Maximum Output Current<br>per Gun/Connector          | 200 A                                                                                                                                                           | 250 A       | 250 A        | 250 A<br>300 A |              | 300 A        |
| Rated Output Power                                   | 60 kW                                                                                                                                                           | 80 kW       | 120 kW       | 160 kW         | 180 kW       | 240 kW       |
| Power Allocation/Switching                           | Equal power sharing                                                                                                                                             |             |              |                |              |              |
| Total Harmonic Distortion<br>of Input Current (THDI) | THDI ≤5 % (input 380 V, output 1000 V, 50 %–100 % load)                                                                                                         |             |              |                |              |              |
| Input Inrush Current                                 | Inrush current ≤110 % of rated input current                                                                                                                    |             |              |                |              |              |
| Power Factor (PF)                                    | Power factor 0.99 (50 %–100 % output power, nominal input voltage & frequency)<br>Power factor 0.95 (20 %–50 % output power, nominal input voltage & frequency) |             |              |                |              |              |
| Voltage Regulation Accuracy                          | Voltage regulation ±0.5 % (-30 °C to +55 °C)                                                                                                                    |             |              |                |              |              |
| Current Regulation Accuracy                          | Current regulation ±1 % (-30 °C to +55 °C, 20 %–100 % load current)                                                                                             |             |              |                |              |              |
| Output Voltage Ripple                                | Output voltage ripple peak coefficient ±1 % (input voltage 85 %, 100 %, 115 %)                                                                                  |             |              |                |              |              |
| Overall Efficiency                                   | Efficiency ≥96 % (100 % full-load output power)                                                                                                                 |             |              |                |              |              |
| Standby Power Consumption                            | Standby power ≤15 W                                                                                                                                             |             |              |                |              |              |
| Cooling Method                                       | Cooling method: forced air                                                                                                                                      |             |              |                |              |              |
| Communication Protocol                               | OCPP 1.6J / 2.0.1                                                                                                                                               |             |              |                |              |              |
| Charging Gun                                         | 5m charging gun (length customized available)                                                                                                                   |             |              |                |              |              |
| Communication Interface                              | 4G / Ethernet / WIFI (optional)                                                                                                                                 |             |              |                |              |              |
| IP Grade                                             | IP54                                                                                                                                                            |             |              |                |              |              |
| Working Temperature                                  | -30 °C ~ 70 °C                                                                                                                                                  |             |              |                |              |              |
| Cu Cable (mm²)                                       | 3×35+2×25                                                                                                                                                       | 3×50+2×35   | 3×95+2×70    | 3×120+2×95     | 3×150+2×120  | 3×240+2×150  |
| Al Cable (mm²)                                       | 3×70+2×50                                                                                                                                                       | 3×95+2×70   | 3×120+2×95   | 3×150+2×120    | 3×185+2×150  | 3×300+2×240  |
| LCD Display                                          | 7 Inch Touch Screen                                                                                                                                             |             |              |                |              |              |
| Package size                                         | 1090*990*2180mm                                                                                                                                                 |             |              |                |              |              |
| Gross weight                                         | 345kg (120KW)                                                                                                                                                   |             |              |                |              |              |





**KEVO POWER - EV Charger Solutions Provider**

Online: [kevopower.com](http://kevopower.com)

Email: [info@kevopower.com](mailto:info@kevopower.com)

WhatsApp: +86 15986673554

Address: Tianlilai Industrial Park, Dalingshan, Dongguan City,  
Guangdong Province, China

