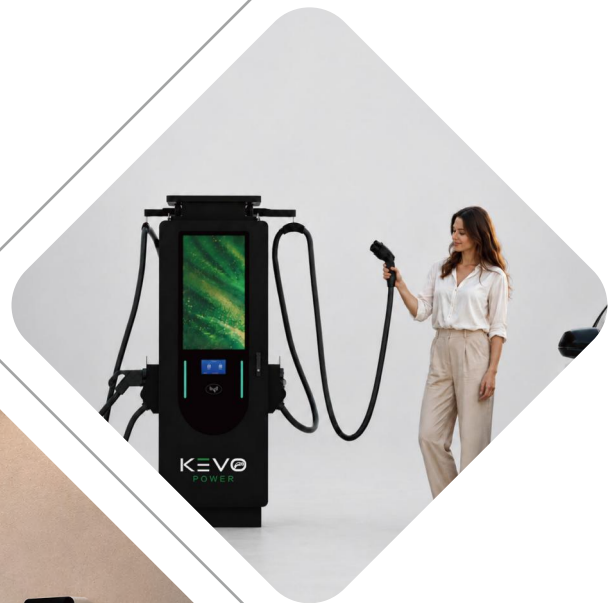


BUSINESS BROCHURE
EV CHARGER



DC SERIES VIII

Standard Fast EV Charger

DC 60KW to 240KW

KP-D120D-VIII



32-inch Advertising Screen

Double your revenue with a 32-inch ad screen that turns charging time into high-impact marketing prime time.



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-VIII	KP-D80D-VIII	KP-D120D-VIII	KP-D160D-VIII	KP-D180D-VIII	KP-D240D-VIII
Rated Input Voltage	AC380 V three-phase five-wire					
Input Voltage Range	380 VAC $\pm 20\%$					
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 per Gun/Connector	200 A	250 A	250 A	250 A / 300A	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 of Input Current (THDI)	THDI $\leq 5\%$ (input 380 V, output 1000 V, 50 %-100 % load)					
Input Inrush Current	Inrush current $\leq 110\%$ of rated input current					
Power Factor (PF)	Power factor 0.99 (50 %-100 % output power, nominal input voltage & frequency) Power factor 0.95 (20 %-50 % output power, nominal input voltage & frequency)					
Voltage Regulation Accuracy	Voltage regulation $\pm 0.5\%$ (-30 °C to +55 °C)					
Current Regulation Accuracy	Current regulation $\pm 1\%$ (-30 °C to +55 °C, 20 %-100 % load current)					
Output Voltage Ripple	Output voltage ripple peak coefficient $\pm 1\%$ (input voltage 85 %, 100 %, 115 %)					
Overall Efficiency	Efficiency $\geq 96\%$ (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 (mm ²)	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 (mm ²)	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	379.5kg (120KW)					





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