



DC Charging Station

20-30 kW output — smarter, safer charging

- 4.3" colour touchscreen
- High charging efficiency
- 4 charging modes
- Strong protection in harsh environments

Technical Parameters	Model	LGE-20D3C1C1-FY	LGE-30D3C5C1-FY
	Rated capacity	20 kW	30 kW
	Charging gun	Single gun	
	Display	4.3" colour touchscreen, high/low temperature resistant	
	Activation method	RFID card, PIN code	RFID card, QR code scan
	Charging modes	Time mode, energy (kWh) mode, auto full-charge, power mode	
Input	Input voltage (V AC)	380 V AC $\pm 15\%$ (A, B, C, N, PE)	
	Input current (A AC)	≤ 30 A	≤ 46 A
	AC input frequency (Hz)	45 - 55	
	Maximum efficiency	$\geq 95\%$	
	Power factor	≥ 0.99	
	Total input harmonic content	$\leq 5\%$	
Output	Output voltage range (V DC)	150 V - 750 V	150 V - 1000 V
	Maximum output current (A)	50 A	100 A
	Constant power range (V)	300 V - 1000 V	
	Charging module power	20 kW	30 kW
	Number of charging modules	1	
	Voltage regulation accuracy	$\leq \pm 0.5\%$	
	Current regulation accuracy	$\leq \pm 1\%$	
	Ripple coefficient	$\leq 1\%$ (peak-to-peak)	
	Current-sharing imbalance	$\leq \pm 5\%$ (typical 3%, at 50-100% rated load)	
Protection	Protection functions	Short circuit, overvoltage, undervoltage, AC phase loss, over-temperature, emergency-stop fault, abnormal connection, communication fault	
	Cooling method	Forced air cooling, dust-proof design	
Environmental	Operating temperature (°C)	-20 to +50	
	Storage temperature (°C)	-40 to +70	
	Transport temperature (°C)	-40 to +70	
	Relative humidity	$\leq 95\%$	
	Atmospheric pressure (kPa)	70 - 106	
	Altitude	≤ 2000 m	
	Ingress protection rating	IP54	
Mechanical	Dimensions H × W × D (mm)	600 × 400 × 180	645 × 400 × 180
	Weight (kg)	≤ 28 kg	≤ 45 kg
	Incoming cable specification	YJV 5 × 6 mm ² (cable not supplied)	YJV 3 × 10 mm ² + 2 × 6 mm ² (cable not supplied)
	Installation method	Wall-mounted	
	Communication interfaces	RS485 / RS232 / CAN / Ethernet / GPRS / 4G	

Note: specifications are subject to change without prior notice.