

DC FAST EV CHARGER · 180 kWh ESS

# EG-Nova 150 Dual

A battery-buffered 150 kW DC fast charger that delivers full charging power from any grid connection — with solar-ready, off-grid capability and universal EV compatibility.

**150 kW**

MAX CHARGING POWER

**180 kWh**

INTEGRATED LiFePO4

**250 A**

MAX OUTPUT CURRENT

**IP54**

OUTDOOR RATED

## KEY FEATURES

### — True energy independence

A 180 kWh integrated LiFePO4 battery decouples charging from the grid. Store energy overnight at low rates, or during the day via solar, and dispatch it on demand — without paying peak-demand charges.

### — Future-proof solar integration

A built-in 20 kW PV input turns any parking lot into a microgrid. Connect solar panels directly to offset grid draw and offer genuinely green charging.

### — Charge any EV, any standard

Configurable CCS1, CCS2, GB/T, and CHAdeMO connectors mean one machine serves every vehicle on the lot, from the latest EV to legacy models.

### — Blazing-fast, universal voltage

A 200–1000 VDC output window at up to 250 A delivers the full 150 kW across passenger cars, light commercial fleets, and beyond.

BATTERY SYSTEM SPECIFICATIONS

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| Battery Capacity                      | 180 kWh                                        |
| Battery Chemistry                     | LiFePO4 (Lithium Iron Phosphate)               |
| Operating Temperature                 | Charge: 0°C to 50°C   Discharge: -10°C to 50°C |
| Cycle Life                            | ≥ 5,000 cycles @ 1C (80% DOD)                  |
| Cooling Method                        | Liquid cooling                                 |
| Battery Recharge — By Grid            | 260–480 Vac (3P+N+PE), 45–65 Hz, 0–92 A        |
| Battery Recharge — By DC Fast Charger | Configurable via CCS1, CCS2, or GB/T           |

EV CHARGING SPECIFICATIONS

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Output Power           | 150 kW (maximum)                                             |
| Output Voltage         | 200–1000 VDC                                                 |
| Output Current         | Up to 250 A                                                  |
| DC Charging Gun        | Dual Gun /cable, configurable — CCS1, CCS2, GB/T, or CHAdeMO |
| Charging Cable Length  | 5 m for both                                                 |
| Communication Protocol | OCPP 1.6J / 2.0                                              |

GENERAL SPECIFICATIONS

|                        |                             |
|------------------------|-----------------------------|
| Installation Type      | Commercial charging station |
| Display Screen         | 14" LCD touchscreen HMI     |
| Language               | English (customizable)      |
| IP Rating              | IP54                        |
| Emergency Stop Button  | Yes                         |
| Dimensions (L × W × H) | 2100 mm × 1500 mm × 1480 mm |
| Weight                 | ≤ 2,300 kg                  |