



EB-HV160
Ultra-Fast Charging
PRODUCT DESCRIPTION



HV160 Description

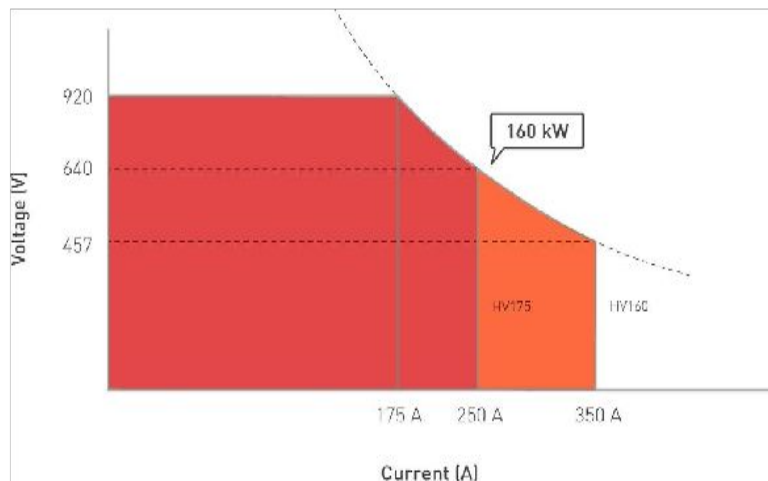
The HV160 is an ultra-fast EV charger, with variable voltage and current outputs up to 920 Vdc and 350A, but with a **maximum power output of 160 kW** through a CCST1 or T2 output.

The HV160 is the perfect solution for providing **160 kW** with only **one power cabinet** to EVs with **400 Vdc** nominal battery systems.

Since the HV160 is a power limited charger, it is capable of the following voltage and current outputs up to a combination of 160 kW output:

- 350A @ <460 Vdc = 160 kW
- 175A @ >460 up to 920 Vdc = 160 kW at 920 Vdc

Due to the high current output of 350A, this solution requires the addition of a liquid-cooled CCS cable and a remote dispenser/kiosk which will house the liquid cooling system.



HV160 Technical Data

| Nominal Input | |
|--|---|
| Phases / lines | 3 phases +neutral +PE |
| Voltage | 480Vac ±10 % |
| Frequency | 60 Hz |
| Nominal input current & power | 205A @ 170 kVA |
| Efficiency | >95 % @ full power |
| DC Output | |
| Voltage | 200 to 920 Vdc nominal, 1000 Vdc maximum |
| Current | 350 A @ <460 Vdc / 175A @ 920 Vdc |
| Nominal Power | 160 kW |
| General Specifications | |
| Communication with EV | IEC61851-23 PLC (CCS / Combo 1 or 2) |
| DC Plug | Combo T1 or T2 (CCS / Combo-1 or 2) |
| Human machine Interface | By default |
| Display | 15" Color touch screen |
| RFID system (optional) | Mifare (Classic, DesFire EV1) or others |
| Communication | 3G/4G (GSM or CDMA) LAN Wi-Fi |
| Communication Protocols | OCPP1.6. (Others under request) |
| Place of installation | Indoor/Outdoor |
| Altitude | Up to 1000 m |
| Protection degree | NEMA 3R |
| Operating temperature/optional cold option | -35 to +50 °C |
| Storage temperature | -40 to +60 °C |
| Humidity | 5% to 95% |
| Sound noise | <55 dB in all directions |
| Dimensions (W x D x H) | Power Cabinet - 47.25" x 32" x 75" high Premium Kiosk - 24" x 12" x 95" high |
| Weight | Power cabinet - 2,800 lbs. Premium Kiosk - 350 lbs. |