PowerCharge™

THUNDER LITE

24kW DC Level 3

The PowerCharge™ Thunder Lite 24 kW Level 3 Charging Station makes charging safe, smart, and future-compatible.

PowerCharge™

CABLE MANAGEMENT

- **Optional** cable retractor available

INTELLIGENT DESIGN

- **Ultra-small** footprint enables flexibility in installation to serve a variety of site conditions
- **Certified** with EMC Class B protection for safe use in residential areas
- **Future proof** investment supporting current and future electric vehicles with high voltage charging
- **Integrated** power mangement in order to balance load demands and infrastructure costs

DISPLAY SCREEN

- **7 inch LCD** touchscreen with high brightness and graphical visualization of charging process
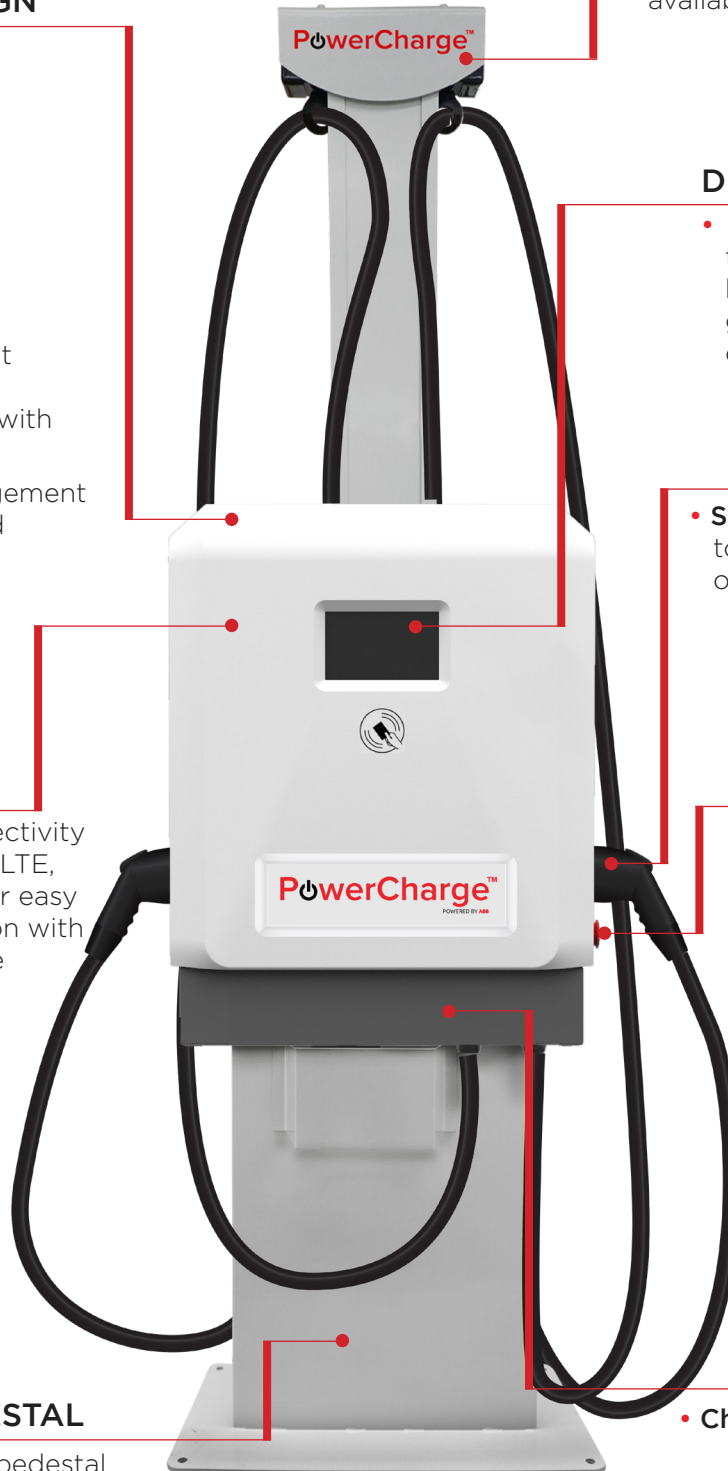
CONNECTOR

- **Single CCS** connector to serve the widest range of electric vehicles

CONNECTED

- **Broad range** of connectivity options including 4G LTE, Ethernet, and GSM for easy control and integration with existing infrastructure

SAFETY

- **Emergency** stop push button to immediately stop charging operation
- **Integrated** ground-fault and trip protection protects both user and vehicle
- **Evaluated and tested** to the highest standards by independent, third party safety certification organizations

PowerCharge™
POWERED BY ABB

Optional DCFC PEDESTAL

- **Aluminum constructed** pedestal engineered for stability & durability in all-weather conditions
- **Durable industrial grade** powder-coat finish
- **Full-size access** panel for easy installation
- **Hardware** included
- **Optional** cable retractor available

QUICK SPECS

- **Charging power:**
  - 0 ... 22.5 kW (24 kW (peak)
- **Max Charging voltage:**
  - CCS 150 ... 920 V DC
- **Power efficiency:**
  - ≥92% at full power
- **Dimensions (H x W x D)**
  - 770 x 584 x 294 mm
  - Wall mount: 30.5 x 23 x 12 in
  - W/ Pedestal: 54 x 23 x 13 in

CONFIGURATION	24kW [UL Version, 1-Phase]	24kW [UL Version, 3-Phase]
DC Output Connection		
Charging Mode	Type 4: CCS1	Type 4: CCS1
Number of Outputs	Standard: Single Output CCS1	Standard: Single Output CCS1
Output Power Rating	19.5 kW - 208 V 22.5 kW - 240 V	0 ... 22.5 kW, 24kW (peak)
Output Current	60 A DC	60 A DC
Output Voltage	150 ... 920 V DC	150 ... 920 V DC
AC Input Connection		
Earthing System	2-wire (e.g., L1 - N, L1 - L2) + PE *Note that a neutral wire may not be available*	3P, N, PE
Input Current	100 A	3 phase, 32 A
Input Voltage	208 ... 240 V AC two-wire + / - 10%	3 phase 480 V AC + / - 10%
Input Frequency	50 / 60 Hz	50 / 60 Hz
General Characteristics		
Dimensions (H x W x D)	30.5 x 23 x 12 in	30.5 x 23 x 12 in
IP Rating	IP54	IP54
NEMA Enclosure Rating	NEMA 3 Outdoor	NEMA 3 Outdoor
Operating Altitude	2500 m (8200 ft)	2500 m (8200 ft)
Operating Temperature Rating	-35 ... +45 ° C	-35 ... +45 ° C
Mounting	Wall or floor using a pedestal	Wall or floor using a pedestal
Electromagnetic Compatibility	EMC Class A	IEC 61000-6-3 Class B *(suitable for residential environment)*
User Interface		
Screen Type	7 LCD touchscreen display	7 LCD touchscreen display
Connectivity	Cellular connection 4G LTE 2 port RJ45 ethernet	Cellular connection 4G LTE 2 port RJ45 ethernet
Communication Protocol	OCPP 1.5 / 1.6	OCPP 1.5 / 1.6
User Authentication	RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) On-screen PIN code authentication	RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) On-screen PIN code authentication
Certification		
Codes and Standards	EN 61851-1 EN 61851-2 UL 2202	EN 61851-1 EN 61851-2 UL 2202
Certification	UL, FCC, EMC Class A	UL, FCC, EMC Class B