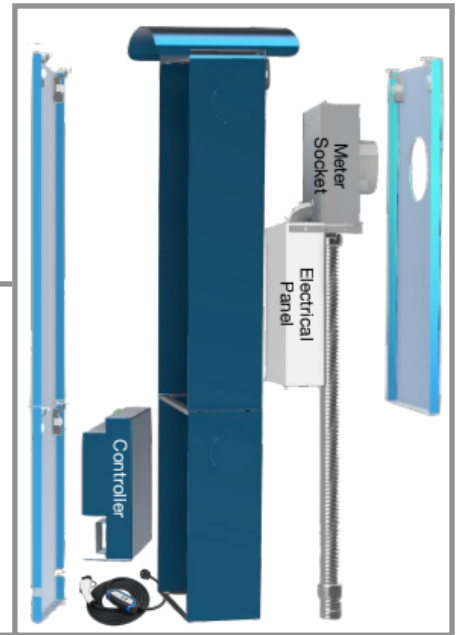




Ground Mount Product Description & Technical Specifications

Product Overview: Curbstar is OmniPotential Energy Partners Utility-Side, Dual-Port, Level 2 EV Charger. Curbstar leverages our patented approach of integrating electric utility meter, electrical panel and EV charging equipment into a single unified product. This innovative approach to destination charging moves most of the complexity of deploying EV charging infrastructure into the product itself eliminating expense of electrical service upgrades at customer property buildings and dramatically reduces make ready costs like demolition and reconstruction of hardscape and other prepared surfaces. Curbstar eliminates services outages resulting from the most common service outage vectors. It has no screens or point of sale terminals to break. With no POS terminals Curbstar also eliminates fraud risks from tampering of the terminal. Users are required to have a smartphone with our smartphone app to use the product.



Product Model Number

Curbstar v1, sku CS2025001.1

Product Listing, Certification & Safety

Product Listing NRTL: Eurofins Metlabs

Product Listing Number: E116253

Product Certifications: Meets EV Standards including: UL 2594, NEC 625.15, NEC 625.17, NEC 625.22, NEC 625.44, and UL 1332 Product Marking standards including ANSI Z535.4

Safety features: Master cutoff (electrical panel), current overload, surge protection, ground detection

Operating Temperatures: -20C to 40C

Operating humidity: 0 to 100%

Operating altitude: 0 to 6,562 ft above sea level

Other compliances: ADA compliant, Energy Star certification pending

Product Construction

Dimensions: 68.19" (H), 23.25" (W), 15.27" (D)

Footprint: 19" (W), 11.5" (D)

Weight: 233 lbs

Material: 14g Steel Chassis Components

Environmental protection: Outdoor Rated Powder Coating

IP rating: Charging systems housed in NEMA 3R rated lower cabinet; utility infrastructure isolated in upper cabinet designed for controlled environmental exposure using outdoor-rated components. (meter box, electrical panel)

EV Charging

Plug standard: J1772 native, compatible with J1772 to NACS adapter

Charging Capacity: The smaller of 40A/9.6kW and A/C acceptance rate of vehicle being charged

Cable management: Side mounted bibs w/ optional concealment

Holsters: J1772 integrated holsters

Operational Features

Internet Connectivity: Integrated 5g Wireless router w/ surface mount antenna compatible with all major cellular carriers

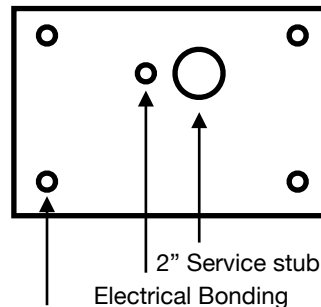
Device Operations: Automated and manual remote management including OmniPotential-controlled software and security updates

Revenue: Owner defined usage pricing and revenue distribution

Network: Curbstar operates on OmniPotential's integrated network platform, providing unified hardware, software, billing, and remote management to ensure consistent performance, reliability, and support.

Footprint/Mounting Template

Unit purchase includes delivery of pad mounting template to ensure proper location and dimensions of service stub, electrical bonding and mounting hardware.



Mounting hardware

Electrical Service

Utility Electrical Service: 125A/240V Single phase

Max peak draw: 81A/20kW

Voltage Range: 228V-252V

Frequency: 59.5 Hz - 60.5 Hz

Utility Meter: localized, utility approved meter

Electrical Panel: Outdoor rated 125A, 12 Position

Unit Bonding: individually grounded

Circuits

50A/240V dedicated to 40A EV charger 1

50A/240V dedicated to 40A EV charger 2

20A/120V dedicated to control panel

Electrical Output

Two EV plugs are electrically independent ensuring that both plugs will reliably operate at full 9.6 kW capacity if supported by the vehicle.

Voltage Range: 228V-252V

Frequency: 59.5 Hz - 60.5 Hz



Curbstar is a product of OmniPotential Energy Partners
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