



ENERGY STAR CERTIFIED

# Electric Vehicle Chargers (AC-Output)

## SemaConnect - SemaConnect : 450

### Specifications

<b>Brand Name:</b>	SemaConnect
<b>Model Name:</b>	SemaConnect
<b>Model Number:</b>	450
<b>ENERGY STAR Unique ID:</b>	2393692
<b>ENERGY STAR Partner:</b>	SemaConnect, Inc.
<b>Product Type:</b>	Level 2
<b>Input Voltage (V):</b>	240.0
<b>Max Nameplate Output Current (A):</b>	50
<b>Maximum Output Power (kW):</b>	12.0
<b>Number of Outputs:</b>	1
<b>Maximum Output Cord Length (ft.):</b>	25
<b>Output Cord Gauge (AWG):</b>	6
<b>Automatic Brightness Control (ABC) Capable?:</b>	No
<b>Connects Using:</b>	Cellular
<b>Network Connection Types Available:</b>	Wi-Fi or Gigabit Ethernet
<b>DR Protocol:</b>	OpenADR
<b>Is Broadband Internet Connection Needed for Demand Response?:</b>	No
<b>Protocols Used to Support Smart Charging:</b>	SAE J1772
<b>15 A Operation Mode Test: Total Loss (watts):</b>	19.26
<b>30 A Operation Mode Test: Total Loss (watts):</b>	59.05
<b>4 A Operation Mode Test: Total Loss (watts):</b>	7.63
<b>Full Current Operation Mode Test: Total Loss (watts):</b>	147.35
<b>Idle Mode Input Power (watts):</b>	6.41
<b>Idle Mode Power Factor:</b>	0.32
<b>Idle Mode Total Allowance (watts):</b>	23.6
<b>No Vehicle Mode Input Power (watts):</b>	2.63
<b>No Vehicle Mode Power Factor:</b>	0.31
<b>No Vehicle Mode Total Allowance (watts):</b>	3.6
<b>Partial On Mode Input Power (watts):</b>	2.69
<b>Partial On Mode Power Factor:</b>	0.31
<b>Partial On Mode Total Allowance (watts):</b>	3.6
<b>Date Certified:</b>	2022-02-01

<b>Date Available on Market:</b>	2022-02-01
<b>Markets:</b>	United States, Canada
<b>ENERGY STAR Certified:</b>	Yes

**Captured On:**  
04/24/2025