



ENERGY STAR CERTIFIED

# Electric Vehicle Chargers (AC-Output)

## SemaConnect - SemaConnect : 450

### Specifications

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

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

Captured On:  
04/28/2025