



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