

Standard EV ARC™ – Autonomous Renewable Charger



Envisiomtrak™
Patented and exclusive sun-tracking technology

Solar Support Structure

Solar Array (1st
3,41W; (EWAIC™3)
4.] [KW EV ARC)

EVSE manufacturing options:
One (1) L2 (240V) J1772 plug
Two (2) L2 (1120V) J1772 de-rated plugs
Three (3) L1 (120V) outdoor outlets

LED Lighting

Fiberglass composite electrical enclosure

Ballast and Traction Pad



EV ARC™ - Product Specification



		EVARC™ 3	EVARC™ 4
Solar Array Power ¹	kW	3.4	4.1
Max Daily EV Range (Solar) ²	e-miles	100	120
Canopy Dimensions (L x W)	ft	22 X 9.9	20.5x 10.5
Max Canopy Height	ft	13.3	13
Min Clearance	ft	7.6	7.7
Total Battery Storage	kWh	24 or 30	
Reserve Battery EV Range ³	e-miles	64 or 80	
Operating Temperature ⁴	oc (OF)	-20 to 50 (-4 to 122)	
Max Wind Load	mph	110	
Base Pad Footprint (L x W)	ft	18 X 7.5	
Weight ⁵	lbs	7633	
Surface Pressure ⁶	psi	5	
Max Total EV Charger Power ⁷	kW	4.2	
Max EV Charger Circuits ⁸	na	1 (L2 J1772); 2 (LI J1772); 3 (LI Outlets)	
EV Charger Types	na	Basic and Networked Options Available	
Standard Shipping Method	na	Custom ARC Mobility™ Trailer	
Optional XFMR Shipping Size (L x W x H) ⁹	ft	24x7.5x7.5	
Major Component Ratings ¹⁰	na	UL 94 V-0 (Battery); UL 1741, CSA C22.2 No.107.1 (Inverter and Charge Controller); UL 1778 Annex FF (Inverter); UL 1703, IEC 61215, IEC 61730 (Solar Panels); UL 2594, UL 2231 (EVCS)	

REFERENCES:

1. Actual nameplate output may vary by +/- 5% based on panel availability
2. Range will vary based on local conditions
3. Range assuming 2s-c
4. Cold weather package allows for operation to -40° C
5. Exact weight varies based on EV ARC model

6. Pressure calculated with weight evenly distributed over 8, Bin x 24in anti-skid pads
7. Actual total output power depends on EV and EVCS (3.3 to 3.8kW common in L2 charging)
8. Output power may be reduced based on number of circuits, EV models, and EVCS types
9. Enables domestic and int'l shipping on a standard flatbed trailer or shipping container
10. Subset of ratings are listed; additional component listings furnished upon request

