

Electric Vehicle (EV) Charging Outlets

Residential Use

***** AT THE COMPLETION OF THE JOB, A CERTIFICATE OF APPROVAL IS SENT VIA EMAIL ONLY.
INCLUDE AN EMAIL ADDRESS FOR BOTH THE PROPERTY OWNER & CONTRACTOR*****

Submit a completed Construction Permit Application: The following is required to be submitted with all applications for residential EV charging outlets. Incomplete applications will not be accepted. Please read carefully and contact us with any questions.

Homeowners can perform their own Electrical work and make application to do so. If the homeowner is not performing their own work, then a NJ Licensed Electrician must sign and seal all copies of the appropriate technical section.

UCC FORMS PRINTED FROM THE INTERNET OR COPIES OF UCC FORMS SHALL BE SUBMITTED SIGNED & SEALED AS REQUIRED. UCC FORMS SHALL BE LEGIBLE AND NOT HAVE OFFICE ONLY SECTIONS BLACKED OUT, AND UCC FORMS SHALL BE PRINTED IN THE CORRECT PORTRAIT OR LANDSCAPE FORMAT

[] [Construction Permit Application](#)

[] [Electrical Subcode Technical Section](#) (Signed & Sealed by electrician)

*Indicate outlet **AMP** size on the application.

[] Manufacturer cut sheet for outlet (2) Copies

[] Load Calculations. (2) Copies ***Attached electrical load calculation sheets are an example. If you wish to use the sheets, please go to <http://iaei-skyland.org>. The Load Study Calculation sheets provided on the website are in Microsoft Excel format and have the formulas built in; you just need to choose the appropriate calculation form, input your numbers, print, and attach 2 copies with your permit application. *NOTE: Per 625.42, you cannot derate the load of this EV charger*

A FINAL inspection is required upon completion of the job.

Questions??? Please contact:

Electrical Subcode Official, Chris Diacik (908) 204-3025



OPTIONAL Load Calculations for Dwelling Units (NEC 220 Part IV)

(v1.5)

Work Site:			
Block:	Lot:		Date:
Owner in Fee:			

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Recepticles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Range				
Oven				
Water Heater				
Dryer				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total General and Appliance Loads				4500
Air Conditioner #1				
Air Conditioner #2				
Fixed Electric Space Heating				

Demand Factor (NEC 220.82)	First 10,000 at 100%	4500.00
	Remainder at 40%	0.00
	Air Conditioning/Heating (total)	0.00
	Total Watts	4500.00

For coments or errors contact: GregChontow@IAEI-Skyland.org

STANDARD Load Calculations for Dwelling Units (NEC 220 Part III)

(v1.1)

Work Site:			
Block:	Lot:		Date:
Owner in Fee:			

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Recepticles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
General Loads Subtotal (Derated - Article 220.42):				3525
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Water Heater				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total Small Appliance loads (Derated - Article 220.53)				
Dryer (Article 220.54)				
Oven (Article 220.55)				
Range (Article 220.55)				
Air Conditioner #1 (Article 220.50)				
Air Conditioner #2 (Article 220.50)				
Fixed Electric Space Heating				

General Loads (derated)	3525
Small Appliance Loads (derated)	0
Other Loads	0
Total Watts	3525

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