

West Coast Electrical & Lighting Services

Customer: Frederick Thomas

Address: 225 SW Cozy Glen Lake City, FL 32024

Level 2 Electric Vehicle Charger - Service Load Calculator

2020 NFPA 70 Optional Calculation - Single Family

Load Shed	Load	General Lighting and Receptacle Load	Watts	Total
	2084	Square Footage of House	3 Watts/sq ft	6252
		Kitchen Circuits		
	2	Small Appliance Circuit Min 2	1,500	3000
		Electric Oven	2,000	0
		Electric Cook Top	5,000	0
		Range	7,500	0
	1	Gas Range	150	150
	1	Microwave	1,500	1500
	1	Garbage Disposal / Dishwasher	1,100	1100
		Laundry Circuit		
	1	Laundry Circuit	1,500	1500
	1	Electric Dryer	5,000	5000
		Gas Dryer	150	0
		Other Electrical Loads		
	1	Electric Water Heater	4,500	4500
		Electric Tankless Water Heater	13,500	0
		Gas Water Heater	150	0
		Gas Tankless Water Heater	150	0
		First 10,000 @ 100%		10,000
		Remainder at 40%		9,201
		Swimming Pool / Spa		
		Pool Pump's	1,500	0
		Pool Electric Heater	11,000	0
		Hot Tub / Spa	5,000	0
		Heating and Air Conditioning (Heat Strip 220.82 C 65%)		
	1	Use Largest AC VA = 4,140 Heat Load VA = 10,000	6,500	6500
		Use Largest AC VA = 4,140 Heat Load VA = 10,000	6,500	0
		Use Largest AC VA = 4,140 Gas Heat Load VA = 530	4,140	0
		Electric Vehicle Charger		
		Electric Vehicle Charger 40A	7,680	0
		Electric Vehicle Charger 50A	9,660	0
	1	Electric Vehicle Charger 60A	11,040	11040
				36,741
		Total Calculated Load	Amps	153
		Existing Panel Rating	Amps	200