



STORAGE CHECKLIST



Most Solar + Storage systems in our area are not designed to power your entire home in the event of an outage. Instead, systems are usually designed to power a specified number of critical loads. The table below shows typical devices found in a home with the device's standard breaker size. Please review the table below and let us know which devices you would like moved into your new critical loads panel.

Breaker Size	Typical Appliances	Fortress 18.5 kW Units*
15 A	Light fixtures, outlets	 <p>Light loads can be covered by 1 Fortress 18.5kW unit</p>
20 A	Light fixtures, outlets, small appliances (microwave, computers, security, TV, refrigerator)	
30 A	Medium appliances (Window A/C unit, small electric wall heater)	
40 A	Heavy appliances (Electric clothes dryer, electric water heater, pool pump)	 <p>Loads 40A + require 2 or more Fortress 18.5 kW units</p>
50 A	Heavy appliances (Central HVAC, electric furnace, electric cooking range)	
50 A + 40 A	Multiple heavy appliances (Hot tub, radiant heating, vehicle charging)	

*The Fortress e-Vault is a lithium iron phosphate battery that is ideally paired with one or two Sol-Ark 12 kW hybrid inverters depending on specific power goals.

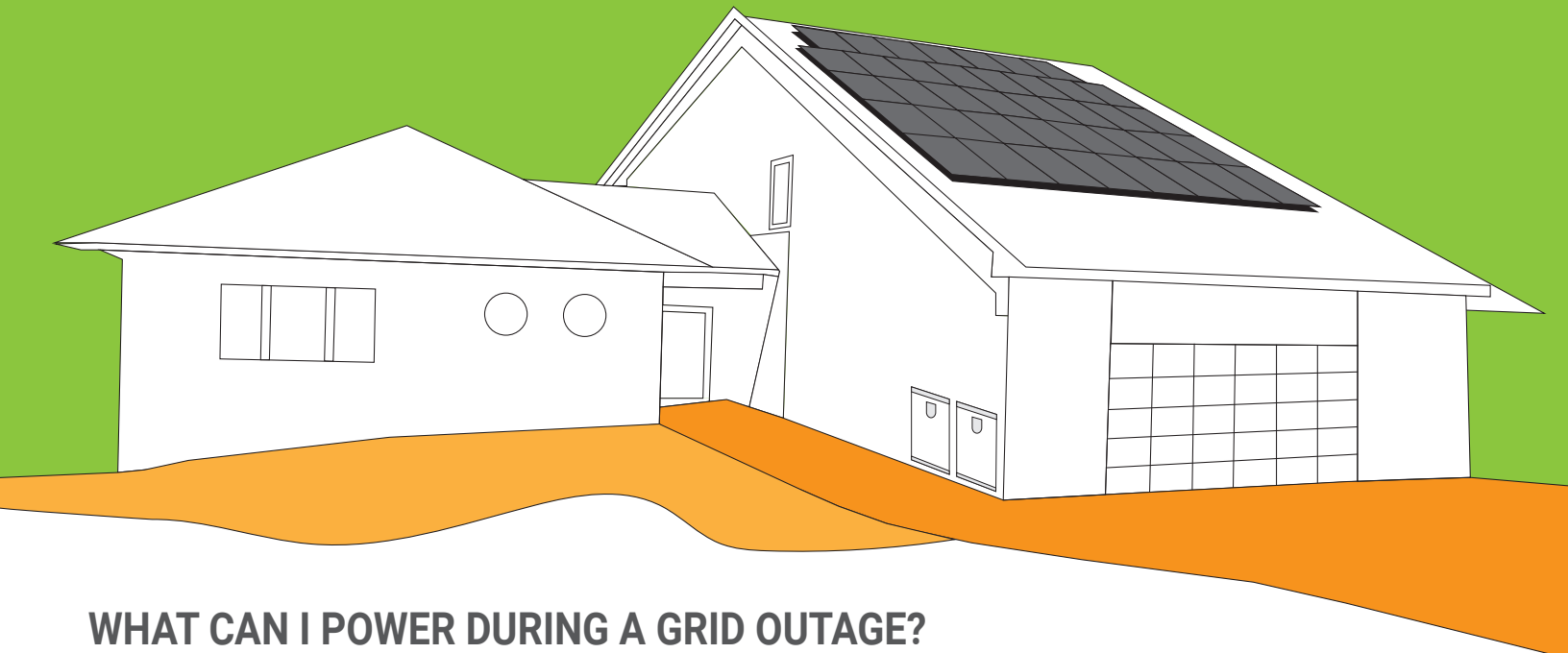
NEW CRITICAL LOADS

Breaker	Amps

Breaker	Amps

Customer Name: _____

Address: _____


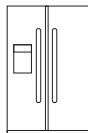

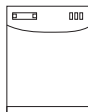
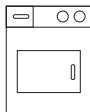
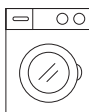


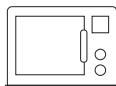


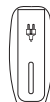


WHAT CAN I POWER DURING A GRID OUTAGE?

Think of your Sol-Ark Fortress system as a traditional generator but without the gas - and the noise! Your Sol-Ark Fortress battery system takes the excess solar energy you produce and stores it away for future use.

During an outage, your Fortress battery unit has a capacity of 18.5 kW. You can use any number of appliances as long as their combined power usage does not extend the total power rating or load capacity of your Fortress battery. You can extend the usage of your Sol-Ark Fortress system by monitoring and cutting back on usage of energy intensive appliances like your air conditioner, dishwasher, or dryer.

See the chart on the opposite side of this document for more information on which appliances can be used with your Sol-Ark Fortress system and the number of units required to fit your needs.

Standard Appliances I Use Normally Breaker Size: 15A-30A One Fortress 18.5 kW Unit			Energy Intensive Appliances I Use Sparingly Breaker Size: 40A-90A Two or More Fortress 18.5 kW Units		
 Coffee 750-1200 watts	 Refrigerator 800-1200 watts	 Phone Charger 2-6 watts	 Dishwasher 1200-2400 watts	 Dryer 1800-5000 watts	 Washer 400-1300 watts
 Lights 100 watts	 Television 400 watts	 Microwave 800-1200 watts	 A/C 3500 watts	 Heater 1500 watts	 Car Charging 7200 watts