

SOLAR POWER STATION

SELECTION GUIDE

SELECT THE RIGHT SOLAR POWER STATION FOR YOUR NEEDS



SmartHarvest by OutBack Solar Power Stations (SPS) are designed to provide reliable, cost-effective DC electricity for a wide variety of applications, using solar energy to generate electricity in remote locations and storing that electricity in on-board batteries to power your applications 24/7.

FACTORS TO CONSIDER:

Load	How much power the devices you wish to operate draw
Solar Radiation	How much sunlight is available in your location

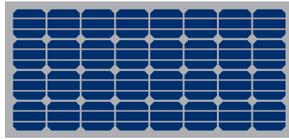


This guide shows the maximum continuous power in watts that each of OutBack’s five SPS units can provide for a given location based on seasonal variation of solar resource. Note that this is continuous operation—if the load you are powering is not constantly on you can use a higher-power consumption device.

If you need more wattage than a given system can provide on a continuous basis, look to the larger systems until you find one that can deliver the power you need for that given location based on the solar energy available. If you are in an area receiving less sunlight, make sure you observe the power rating guidelines to the right of the map. Also note that system performance is affected by panel orientation, any shading present, and ambient temperature.

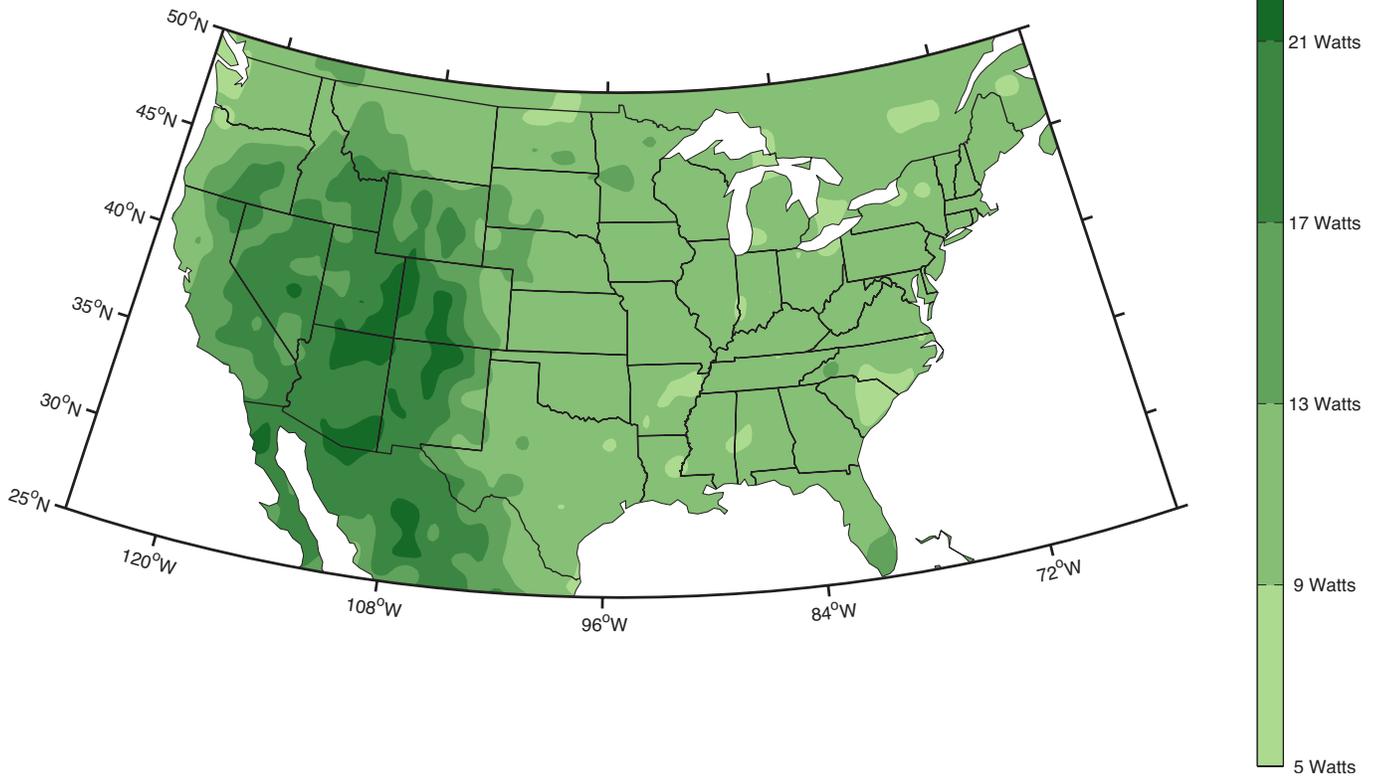
————— **Contact OutBack Power Technical Support with any specific questions and needs.** —————

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Solar Radiation

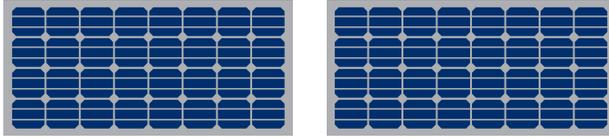
Maximum Supported Continuous Load Based Upon 1 255W Solar Panel(s) and a 12V 106Ah Battery Pack



Load

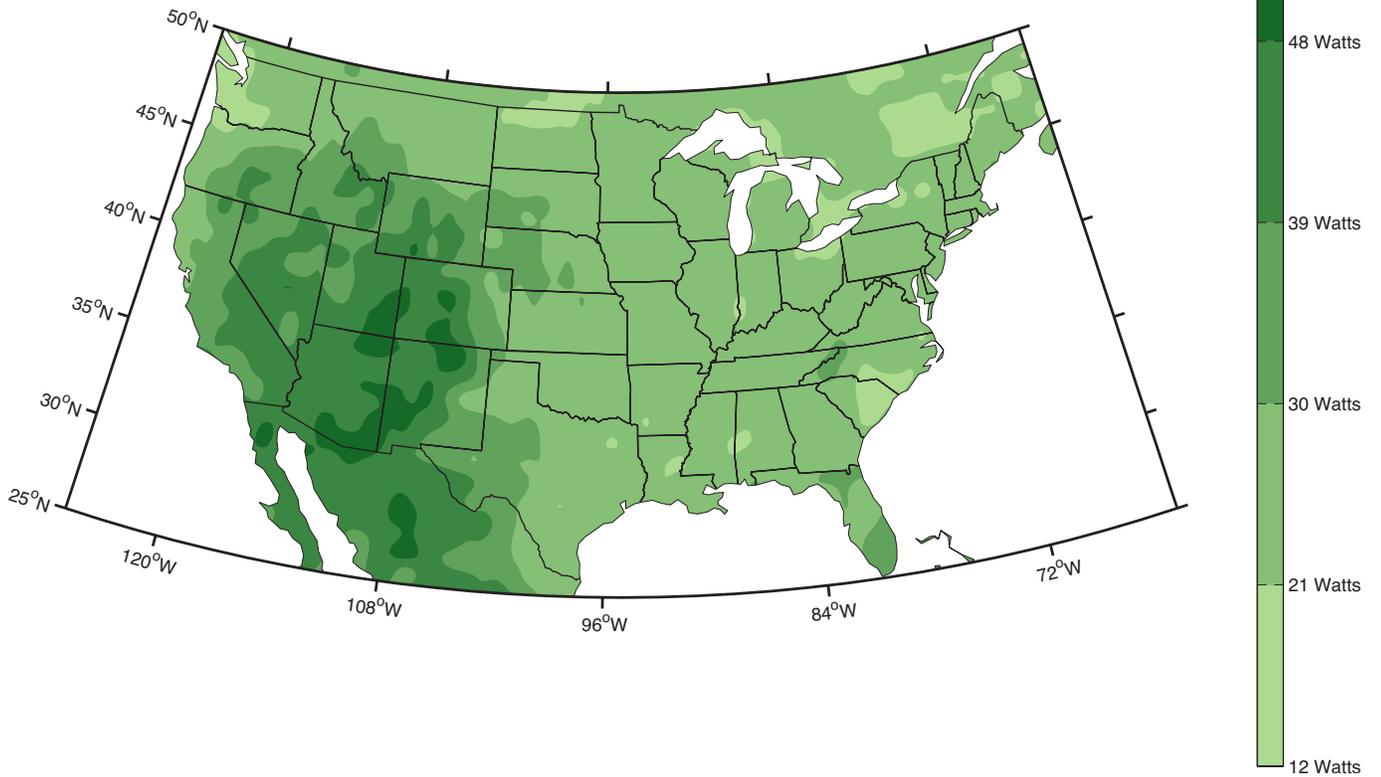
Maximum Supported Continuous Load**:	24W
Maximum 3-Day Blackout Autonomy:	9W

*Based on highest solar energy locations.
Actual capacity will vary by site location, solar conditions and other factors



Solar Radiation

Maximum Supported Continuous Load Based Upon 2 255W Solar Panel(s) and a 24V 156Ah Battery Pack

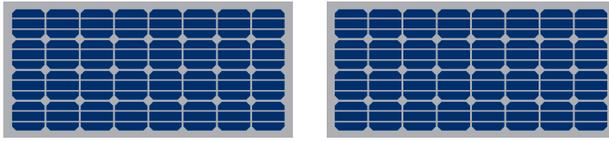


Load

Maximum Supported Continuous Load**:	56W
Maximum 3-Day Blackout Autonomy:	22W

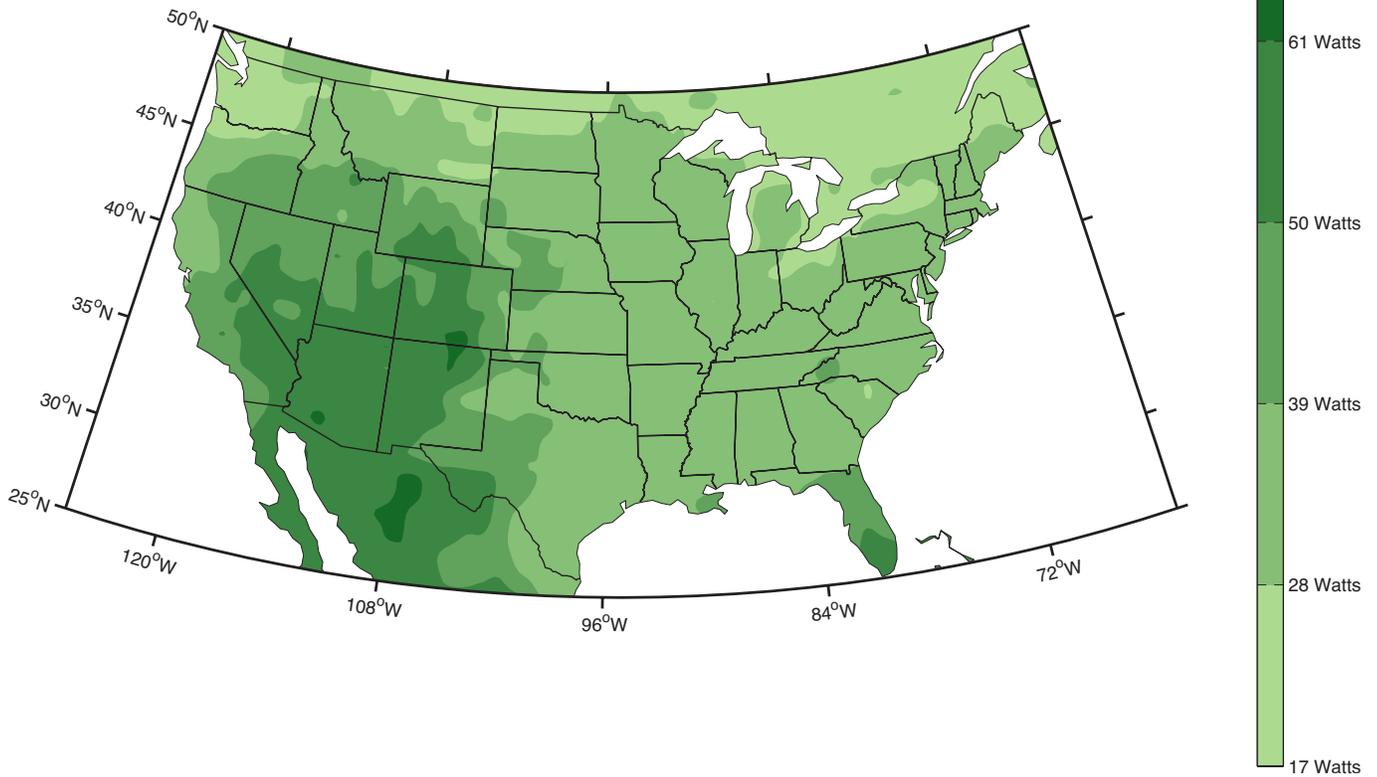
*Based on highest solar energy locations.
Actual capacity will vary by site location, solar conditions and other factors

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Solar Radiation

Maximum Supported Continuous Load Based Upon 2 255W Solar Panel(s) and a 24V 318Ah Battery Pack

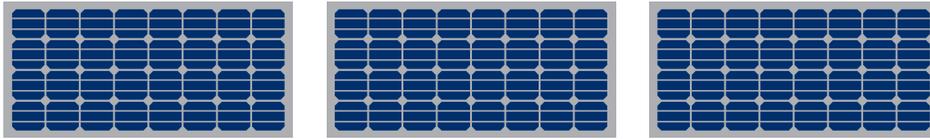


Load

Maximum Supported Continuous Load**:	65W
Maximum 3-Day Blackout Autonomy:	55W

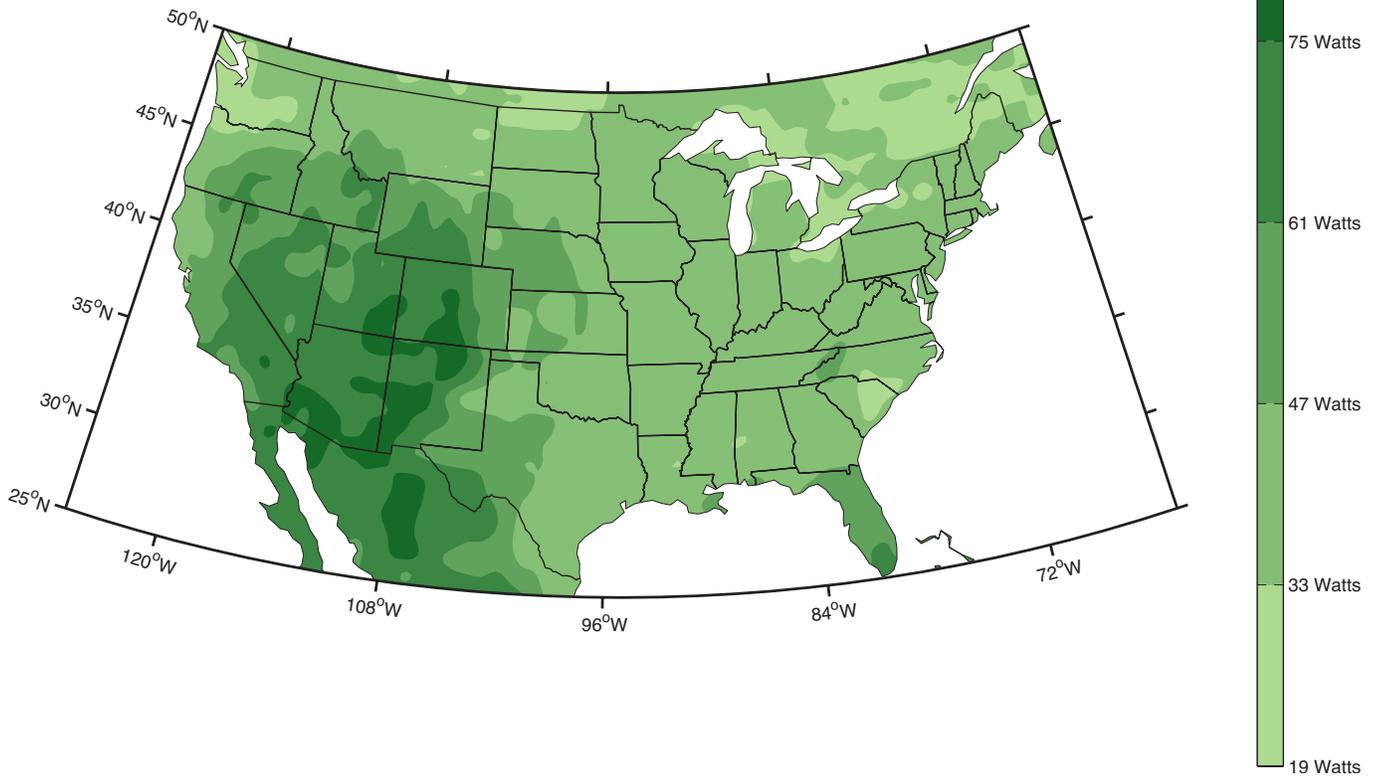
*Based on highest solar energy locations.
Actual capacity will vary by site location, solar conditions and other factors

SPS.SYS.3.318.24



Solar Radiation

Maximum Supported Continuous Load Based Upon 3 255W Solar Panel(s) and a 24V 318Ah Battery Pack

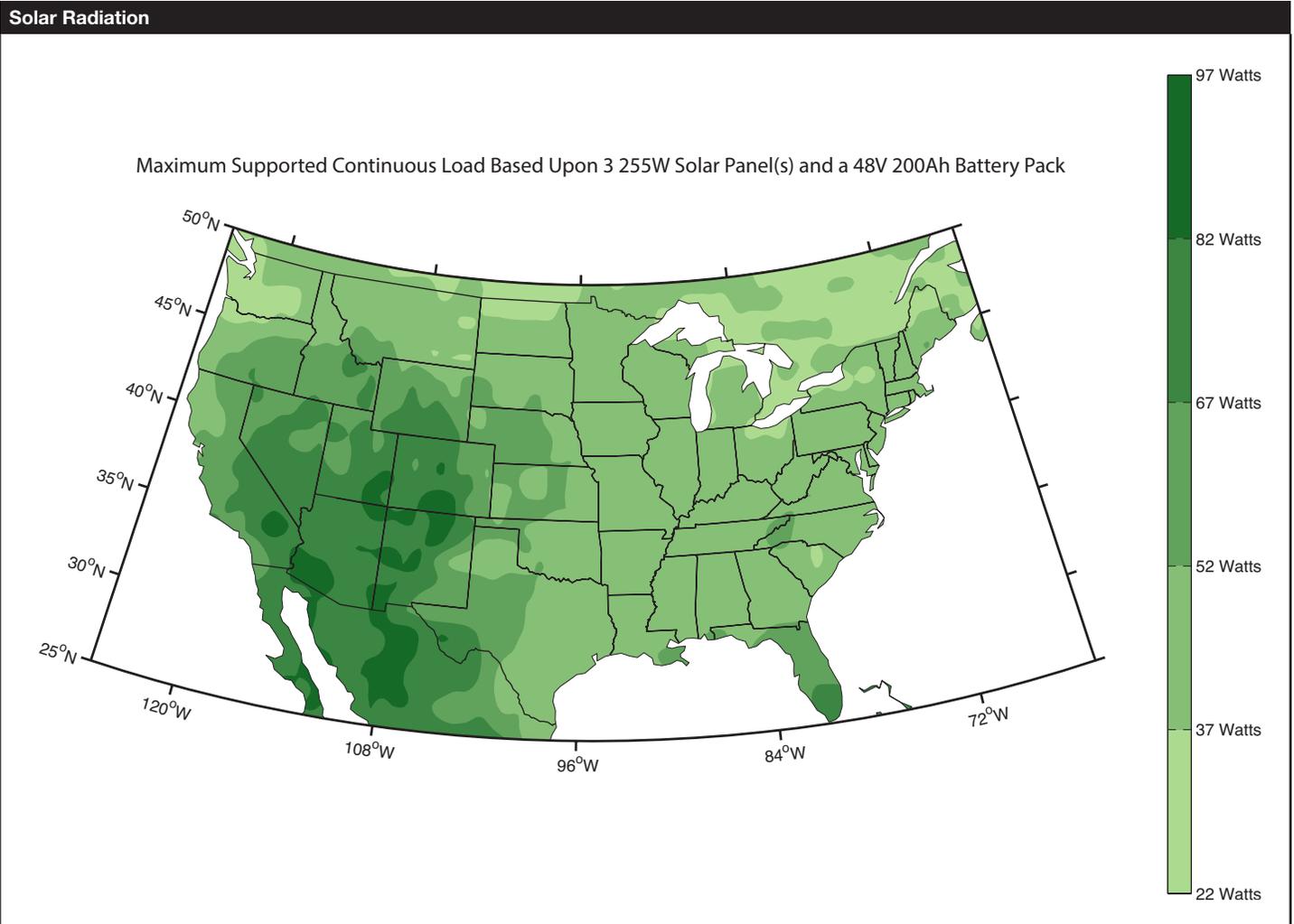
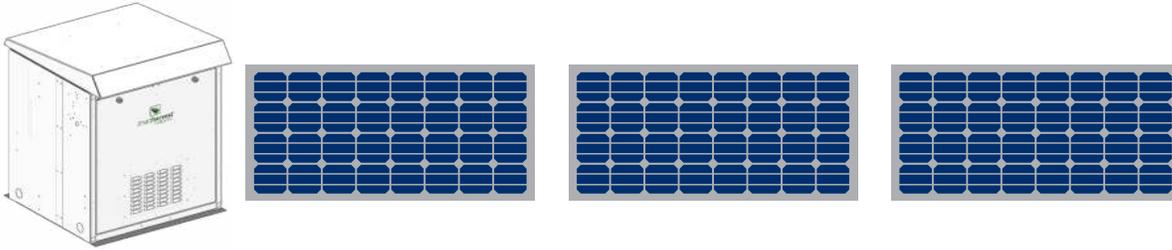


Load

Maximum Supported Continuous Load**:	85W
Maximum 3-Day Blackout Autonomy:	55W

*Based on highest solar energy locations.
Actual capacity will vary by site location, solar conditions and other factors

SPS.SYS.3.200.48



Load	
Maximum Supported Continuous Load**:	95W
Maximum 3-Day Blackout Autonomy:	70W

*Based on highest solar energy locations.
Actual capacity will vary by site location, solar conditions and other factors