



Radian™ Series

GS Load Centers

- Pre-Wired or Customized Options for Quick and Easy Installations
- Dual AC Inputs and DC Connections
- 120/240VAC and 230VAC Designs

OutBack Radian Series Inverter/Charger with GS Load Centers Design a System That:

- Has Greater Dynamic Stability
- Is Fully Integrated from an Industry-Leading Brand
- Is UL1741 End-to-End



*Image shown for illustration purposes only.
Actual product may vary.*

OutBack Power's GS Load Centers are an integrated connection enclosure series for AC and DC system connections in OutBack Radian Series inverter/charger applications, through provided inverter DC overcurrent protection and disconnects, dual AC inputs, grid-tie inverter connection and 120/240VAC or 230V maintenance bypass.

Designed for use with the Radian Series inverter/charger family, the options offer solutions for ground-up custom designs or factory pre-wired configurations for specific applications. The GSLC175-AC-120/240 can be used with AC-coupling applications in grid-tied systems.

The OutBack GS Load Centers simplify the configuration, distribution, and implementation of energy storage of the Radian Series inverter/charger through a standardized approach.

GS Load Centers Specifications*

| | |
|--|---|
| Maximum Input Voltage | 600V |
| Maximum Input Current | 500A |
| Operating Frequency Range | 50/60Hz to DC |
| Unit Dimensions (H x W x D) | 17 x 16 x 8.5" (43.2 x 40.6 x 21.6cm) |
| Shipping Dimensions (H x W x D) | 23.25 x 20.5 x 13.5" (59.1 x 52.1 x 33.7cm) |
| Enclosure Type | Indoor Type 1 (IP30) |
| Certifications | UL 1741, CSA 22.2, No. 107.1-01, RoHS |
| Warranty | Standard 5 year |

The GS Load Centers enclosures provide mounting holes for HUB communications manager and for up to 2 FLEXmax charge controller mounting brackets.

The following components are sold separately or integrated for the GS Load Centers:

- AC Load Circuit Breakers
- PV and DC Circuit Breakers
- PV Ground Fault Detector-Interrupter (GFDI)
- FLEXnet DC Battery Monitor
- Additional DC shunts and GS-SBUS (if desired)

*All specifications in first table apply to all GS Load Center models

| Installed Components | GSLC Model Numbers | | | | | | | |
|---|--|------------------------------|------------------------------|-----------------|--------------------|-----------------|---------------------|-----------------|
| | GSLC | GSLC175-AC-120/240 | GSLC175-120/240 | GSLC175-230 | GSLC175-PV-120/240 | GSLC175-PV-230 | GSLC175-PV1-120/240 | GSLC175-PV1-230 |
| Enclosure w/ Hinged Door | • | • | • | • | • | • | • | • |
| 175A Breakers | | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| Dual AC Inputs | | • | • | • | • | • | • | • |
| GFDI | | | | | • | • | • | • |
| FLE-net DC | | | | | • | • | • | • |
| PV Disconnects | | | | | 2 | 2 | 1 | 1 |
| 500A DC Shunt | | 1 | | | 3 | 3 | 2 | 2 |
| 120/240VAC Bypass | | • | • | | • | | • | |
| 230VAC Bypass | | | | • | | • | | • |
| ROCB, 4-50A 120/240 Circuit Breakers, Sliding Bypass Interlock | | • | | | | | | |
| Unit Weight | 26lbs (11.8kg) | 40lbs (18.1kg)* | 37lbs (16.8kg) | 37lbs (16.8kg) | 40lbs (18.1kg)* | 40lbs (18.1kg)* | 40lbs (18.1kg)* | 40lbs (18.1kg)* |
| Shipping Weight | 34lbs (15.4kg) | 45lbs (20.4kg)* | 45lbs (20.4kg)* | 45lbs (20.4kg)* | 45lbs (20.4kg)* | 45lbs (20.4kg)* | 45lbs (20.4kg)* | 45lbs (20.4kg)* |
| Recommended Radian Model | GS8048 GS8048A GS4048A GS7035E GS3548E | GS8048 GS8048A GS4048A | GS8048 GS8048A GS4048A | GS7048E | GS8048 GS8048A | GS7048E | GS4048A | GS3548E |

*Minimum



Corporate Office:
17825 59th Ave. NE, Suite B
Arlington, WA 98223 USA
Phone: +1 360 435 6030
Fax: +1 360 435 6019

European Office:
Hansastraße 8
D-91126
Schwabach, Germany
Phone: +49 9122 79889 0
Fax: +49 9122 79889 21

Asia Office:
Suite 1903, Tower 1, China Hong Kong City
33 Canton Road, Kowloon
Hong Kong
Phone: +852 2736 8663
Fax: +852 2199 7988

Latin American Office:
15105 Cedar Bluff Pl.
Wellington, FL 33414 USA
Phone: +1 561 792 9651
Fax: +1 561 792 7157