



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 and is UL1741 End-to-End

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-tied inverter connection and 120/240VAC or 230V maintenance bypass.

Designed for use with the Radian Series inverter/charger family, the options offer solutions for group-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.

Radian Series GS Load Center Specifications

06/2014

Models:	All GS Load Center Models
Maximum Input Voltage	600A
Maximum Input Current	500A
Operating Frequency Range	50/60Hz to DC
Dimensions H x W x D (in/cm)	Unit: 17 x 16 x 8.5 / 43.2 x 40.6 x 21.6cm Shipping: 23.25 x 20.5 x 13.5 / 59.1 x 52.1 x 33.7
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)

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					◆	◆	◆	◆
FLEXnet 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		◆						
Weight (lb/kg)	Unit: 26 / 11.8 Shipping: 34 / 15.4	Unit: 40 / 18.1* Shipping: 45 / 20.4	Unit: 37 / 16.8 Shipping: 45 / 20.4	Unit: 37 / 16.8 Shipping: 45 / 20.4	Unit: 40 / 18.1* Shipping: 45 / 20.4	Unit: 40 / 18.1* Shipping: 45 / 20.4	Unit: 40 / 18.1* Shipping: 45 / 20.4	Unit: 40 / 18.1* Shipping: 45 / 20.4
Recommended Radian Model	GS8048 GS8048A GS4048A GS7035E GS3548E	GS8048 GS8048A GS4048A	GS8048 GS8048A GS4048A	GS7048E	GS8048 GS8048A	GS7048E	GS4048A	GS3548E

*Minimum

Worldwide Corporate Offices