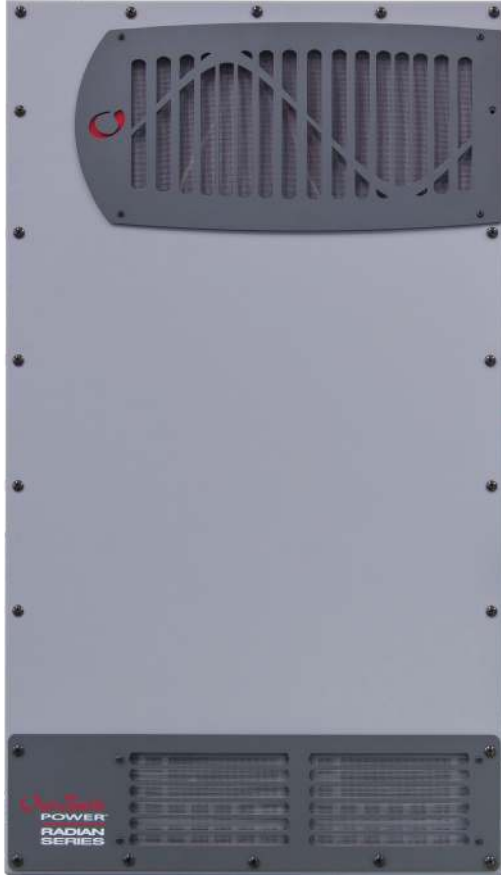
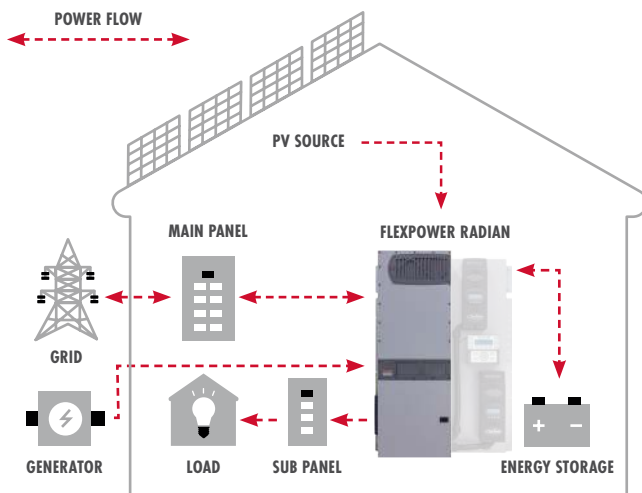


Radian A-Series™

60Hz, 120/240V Inverter/Chargers



- Modular, stackable: up to nine units can be combined for three-phase operation and ten in parallel, single-phase operation
- Compliant with California Rule 21 and Hawaii 14H grid support requirements
- Seven different programmable operating modes, with generator assist
- GridZero operating mode minimizes grid dependence in areas where incentives are changing and utility sell-back is limited
- 8000 and 4000VA of continuous power with dual AC inputs and peak operating efficiency of 96%
- Off-grid and grid-tied functionality in one unit
- Integrates both grid and generator with dual inputs
- Performs AC coupling with both legacy and UL1741 SA inverters, using frequency shifting

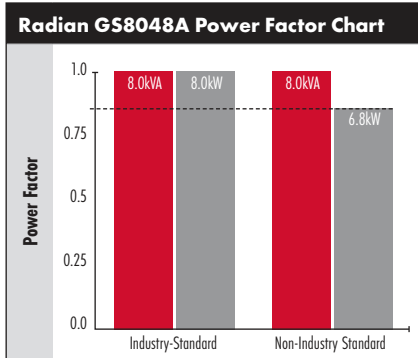


OutBack Power's acclaimed Radian Series made the benefits of solar technology available and accessible in one platform.

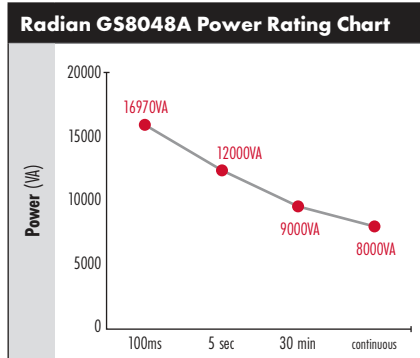
The Radian GS8048A and GS4048A features dual AC inputs for grid/generator flexibility with no external switching required, unparalleled surge capability and operational stability, easy field upgrade-ability and stacking capability for large system scaling, simplified system commissioning through a powerful, easy to use configuration wizard and multi-mode operational flexibility.

The Radian GS8048A and GS4048A incorporate OutBack's GridZero technology: energy management for self-generation and self-consumption programs providing precise balancing between using stored energy, solar and utility power, blending-in the latter to overcome surges and load spikes when needed.

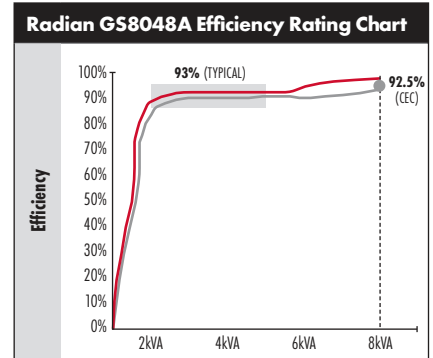
| Models: | GS8048A | GS4048A |
|--|--|--|
| Instantaneous Power (100ms) | 16970VA | 8500VA |
| Surge Power (5 sec) | 12000VA | 6000VA |
| Peak Power (30 min) | 9000VA | 4500VA |
| Continuous Power Rating (@ 25°C) | 8000VA | 4000VA |
| Nominal DC Input Voltage | 48VDC | 48VDC |
| AC Output Voltage (selectable) | 120/240VAC (200 to 260VAC) | 120/240VAC (200 to 260VAC) |
| AC Output Frequency (selectable) | 60Hz (50Hz) | 60Hz (50Hz) |
| Continuous AC Output Current (@ 25°C) | 33.3AAC @ 240VAC | 16.7AAC |
| Idle Power | Invert mode, no load: 34W Search: 10W | Invert mode, no load: 34W Search: 10W |
| Typical Efficiency | 93% | 93% |
| CEC Weighted Efficiency | 92.5% | 92.5% |
| Total Harmonic Distortion | Typical: <2% Maximum: <5% | Typical: <2% Maximum: <5% |
| Output Voltage Regulation | ±2% | ±2% |
| AC Input Voltage Range (MATE3s Adjustable) | L1-N or L2-N: 85 to 140VAC | L1-N or L2-N: 85 to 140VAC |
| AC Input Frequency Range | @ 60Hz: 54 to 66Hz @ 50Hz: 45 to 55Hz | — |
| Grid-Interactive Voltage Range | L1-N or L2-N: 85 to 140VAC | L1-N or L2-N: 108 to 132VAC |
| Grid-Interactive Frequency Range | 59.3 to 60.5Hz | 59.3 to 60.5Hz |
| Maximum AC Input Current | 50AAC @ 240VAC | 50AAC @ 240VAC |
| Maximum Utility Interactive Current | 30A | 15A |
| Continuous Battery Charge Output | 115ADC | 57.5ADC |
| Advanced Battery Charging | Flooded, gel, AGM, lithium-ion and flow chemistry | Flooded, gel, AGM, lithium-ion and flow chemistry |
| DC Input Voltage Range | 40 to 64VDC | 40 to 64VDC |
| Accessory Ports | Remote temperature sensor (included), MATE3s and HUB communications | Remote temperature sensor (included), MATE3s and HUB communications |
| Warranty | Standard 5 year, extended 10 year available | Standard 5 year, extended 10 year available |
| Weight (lb/kg) | Unit: 125 / 56.7 Shipping: 140 / 63.5 | Unit: 82 / 37.2 Shipping: 94 / 42.6 |
| Dimensions H × W × D (in/cm) | Unit: 28 × 16 × 8.7 / 71.1 × 40.6 × 22.1 Shipping: 34.5 × 21 × 14.5 / 87.6 × 53.3 × 36.8 | Unit: 28 × 16 × 8.7 / 71.1 × 40.6 × 22.1 Shipping: 34.5 × 21 × 14.5 / 87.6 × 53.3 × 36.8 |
| Temperature Range | Rated: -20 to 50°C Maximum: -40 to 60°C | Rated: -20 to 50°C Maximum: -40 to 60°C |
| Listings/Certifications | ETL listed to UL 1741 SA, CE, CSA C22.2 No. 1071, UL 778 Annex F, IEC 62109-1 ETL, RoHS compliant per directive 2011/65/EU, FCC Class B, IEEC 1574.1, EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3 | ETL listed to UL 1741 SA, CE, CSA C22.2 No. 1071, UL 778 Annex F, IEC 62109-1 ETL, RoHS compliant per directive 2011/65/EU, FCC Class B, IEEC 1574.1, EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3 |
| Non-Volatile Memory | Yes | Yes |
| Field Upgradeable Firmware | Yes | Yes |
| Chassis Type | Vented | Vented |



Power Rating Notes
Inverters that specify power in VA but do not use the unity standard Power Factor (PF) could have misleading power specifications. Volt-amps (VA) is a total inverter output, while watts (W) represent the power consumed by the electrical loads. PF, which varies by types of loads, is the ratio of W to VA, and the difference between the two is power in the circuit that does no useful work. At 1.0PF (unity), all power is used. This is the industry standard used by OutBack Power.



Instantaneous Power Rating
Most stringent, massive load start GS8048A: 16970VA
Surge Power Rating
Less stringent load start GS8048A: 12000VA
Peak Power Rating
Frequent "heavy duty" load requirements GS8048A: 9000VA
Continuous Power Rating
Sustained "real world" load requirements GS8048A: 8000VA



INVERTING | **SELLING**
Typical Efficiency Rating
Real world efficiency with variable loads GS8048A: 93%
CEC Efficiency Rating
Most stringent US rating GS8048A: 92.5%