

# FLEXpower Radian™

## Fully Pre-Assembled 4 and 8kW Inverter Systems

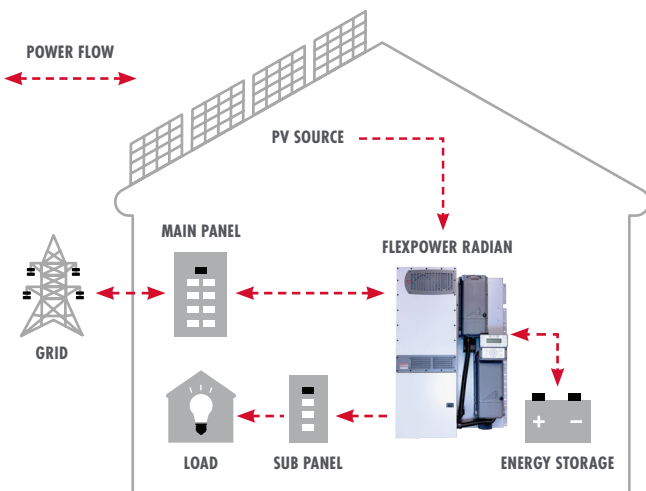


- 4kW: Ideal for smaller power applications including homes, cabins, remote communication sites and backup power systems
- 8kW: Ideal for medium-sized power requirements including larger homes, light commercial or backup power systems
- Radian inverter/charger is programmable for seven different operational modes, with generator assist
- 300VDC models provide up to 99% peak efficiency with FLEXmax 100 charge controller

**Our pre-assembled and pre-wired power systems take the concept of fast, easy installation to a new level of value and flexibility with the OutBack Power™ FLEXpower Radian™.**

Everything needed, outside of power sources and battery backup, is completely integrated—just install the mounting bracket, hang the system on a wall, make the necessary connections and the system is fully operational.

Available in the Radian A Series 4kW or 8kW inverter/charger, both models incorporate OutBack Power's GridZero technology, a superior level of intelligence in energy management for self-generation and self-consumption programs. It provides precise balancing between using stored energy, solar and utility power, blending-in the latter to overcome surges and load spikes. Both models support leading-edge battery technologies such as lithium-ion and others, and enhanced diagnostics for improved performance.



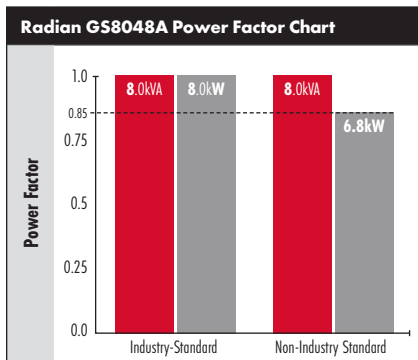
# FLEXpower Radian™ Specifications

Model*	Description	Inverter	GSFC	Bypass	Inverter OCPD**	PV OCPD**	GFDI	AFCI	RTS	Charge Controller
<b>FPR-4048A-300AFCI</b>	GS4048A FLEXpower Radian AFCI	GS4048A	GSFC-PV1-300VDC	120/240VAC	175A	80A	Yes	Yes	Yes	(1) FLEXmax 100 AFCI
<b>FPR-4048A-01</b>	GS4048A FLEXpower Radian	GS4048A	GSFC175-PV1-120/240	120/240VAC	175A	80A	Yes	No	Yes	(1) FLEXmax 80
<b>FPR-8048A-300AFCI</b>	GS8048A FLEXpower Radian AFCI	GS8048A	GSFC-PV-300VDC	120/240VAC	(2×) 175A	(2×) 80A	Yes	Yes	Yes	(2) FLEXmax 100 AFCI
<b>FPR-8048A-300A-LT</b>	GS8048A FLEXpower Radian AFCI Lite	GS8048A	GSFC-PV1-300VDC	120/240VAC	(2×) 175A	80A	Yes	Yes	Yes	(1) FLEXmax 100 AFCI
<b>FPR-8048A-01</b>	GS8048A FLEXpower Radian	GS8048A	GSFC175-PV-120/240	120/240VAC	(2×) 175A	(2×) 80A	Yes	No	Yes	(2) FLEXmax 80

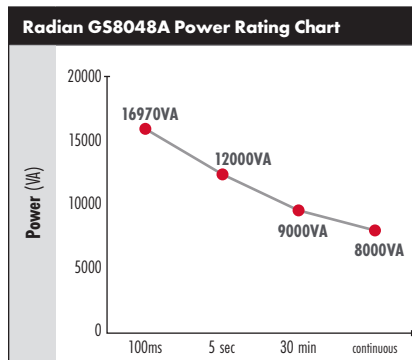
Details	FPR-4048A-300AFCI	FPR-4048A-01	FPR-8048A-300AFCI	FPR-8048A-300A-LT	FPR-8048A-01
<b>Finished Dimensions H × W × D (in/cm)</b>	47.0 × 33.5 × 9.84 / 119.4 × 85.1 × 24.9	47.0 × 33.5 × 9.84 / 119.4 × 85.1 × 24.9	47.0 × 33.5 × 9.84 / 119.4 × 85.1 × 24.9	47.0 × 33.5 × 9.84 / 119.4 × 85.1 × 24.9	47.0 × 33.5 × 9.84 / 119.4 × 85.1 × 24.9
<b>Weight (lb/kg)</b>	199 / 91	195 / 88.5	258 / 116.4	238 / 107.4	250 / 113.4
<b>Shipping Dimensions H × W × D (in/cm)</b>	48 × 40 × 18 / 121.9 × 101.6 × 45.7	48 × 40 × 18 / 121.9 × 101.6 × 45.7	48 × 40 × 18 / 121.9 × 101.6 × 45.7	48 × 40 × 18 / 121.9 × 101.6 × 45.7	48 × 40 × 18 / 121.9 × 101.6 × 45.7
<b>Shipping Weight (lb/kg)</b>	218 / 98.6	213 / 96.6	280 / 126.4	260 / 117.4	272 / 123.4

\*All pre-wired systems include a Radian Series inverter/charger, FLEXmax charge controller(s), MATE3s system display and communications, FLEXnet DC system monitor, AC and DC wiring boxes, HUB10.3 communications, surge protector and remote temperature sensor (RTS). The FLEXpower Radian is also equipped with battery, PV array breakers, GFDI, AFCI and input-output-bypass. See individual product datasheets or product guide for full specifications.  
 \*\*Overcurrent protective device.



### 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

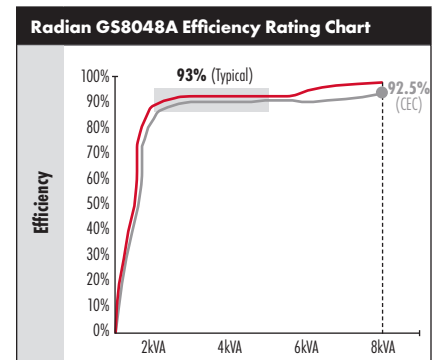
Less stringent load start **GS8048A: 12000VA**

### 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%**