FLEXpower Radian

FULLY PRE-ASSEMBLED 4 AND 8KW INVERTER SYSTEMS

Three Reasons to Choose the FLEXpower Radian Integrated System from OutBack Power:

1. ENGINEERED FOR FASTER, EASIER INSTALLATION

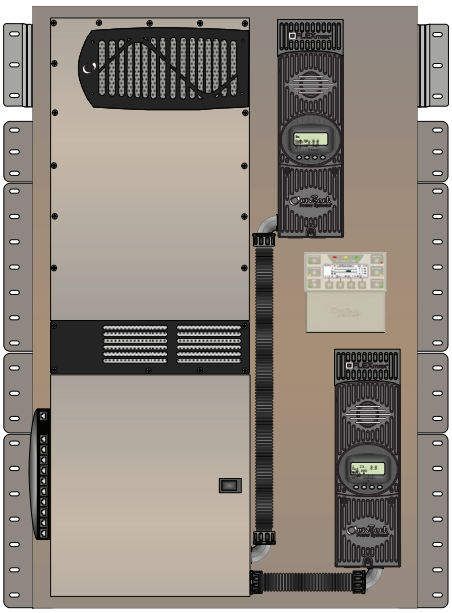
- **Factory tested, pre-wired and pre-configured** system for fast installation
- Includes a fully integrated GS load center for quick and easy connections
- Charge controller, programming and networking components are completely integrated—just install the mounting bracket, hang the system on a wall, make the necessary connections, site specific programming and the system is fully operational
- Optimized system footprint for cleaner installations in half the time

2. DESIGNED FOR FLEXIBILITY

- **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
- Advanced Battery Charging (ABC) programmability accommodates traditional and advanced chemistry batteries
- 300VDC models provide up to 99% peak efficiency with FLEXmax 100 charge controller

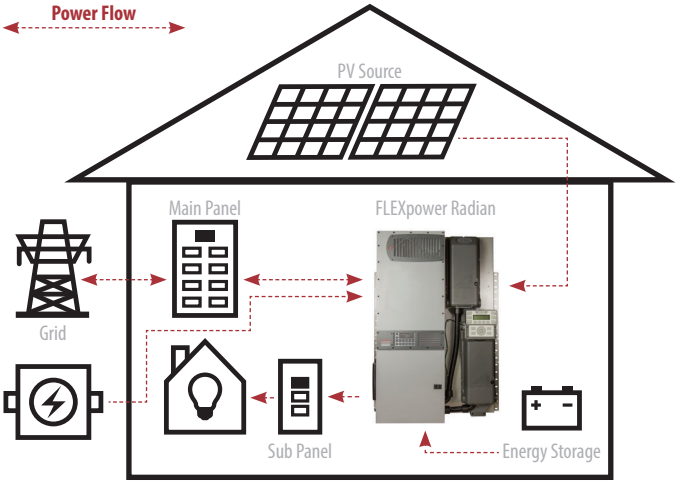
3. BUILT FOR DEPENDABLE, LONG-TERM USE

- **Extensive quality and reliability testing**
- 15 years of experience manufacturing and improving products for fault-intolerant, mission-critical applications
- Monitor, command and control from any internet-connected device with OPTICS RE
- Standard 5 year warranty (extended 10 year warranty available)
- Field-upgradable software, field-serviceable modular design and global technical support
- Components carry all of the necessary ETL certifications



FLEXpower Radian FPR-8048A-01

OutBack FLEXpower Radian Typical System Integration:



OUTBACK POWER—MASTERS OF THE OFF-GRID. FIRST CHOICE FOR THE NEW GRID.

MAKE THE POWER

- FLEXpower Integrated Systems
- Inverter/Chargers & Charge Controllers

STORE THE ENERGY

- EnergyCell PLC, PL and OPzV Batteries
- Battery Enclosures and Racking

MANAGE THE SYSTEM

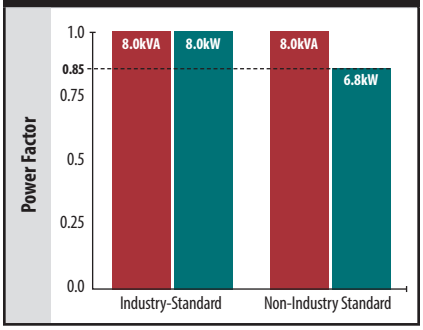
- OPTICS RE System Monitoring and Control
- MATE3s System Display and Communications

Model*	Description	Inverter	GSLC	Bypass	Inverter OCPD**	PV OCPD**	GFDI	RTS	Charge Controller
FPR-4048A-300VDC	GS4048A FLEXpower Radian	GS4048A	GSLC-PV1-300VDC	120/240VAC	175A	80A	Yes	Yes	(1) FLEXmax 100
FPR-4048A-01	GS4048A FLEXpower Radian	GS4048A	GSLC175-PV1-120/240	120/240VAC	175A	80A	Yes	Yes	(1) FLEXmax 80
FPR-8048A-300VDC	GS8048A FLEXpower Radian	GS8048A	GSLC-PV1-300VDC	120/240VAC	(2x) 175A	(2x) 80A	Yes	Yes	(2) FLEXmax 100
FPR-8048A-01	GS8048A FLEXpower Radian	GS8048A	GSLC175-PV1-120/240	120/240VAC	(2x) 175A	(2x) 80A	Yes	Yes	(2) FLEXmax 80

Details	FLEXpower Radian 4048A 300VDC	FLEXpower Radian 4048A	FLEXpower Radian 8048A 300VDC	FLEXpower Radian 8048A
Finished Dimensions H x W x D (in/cm)	47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9	47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9	47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9	47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9
Finished Weight (lb/kg)	201 / 91.2	195 / 88.5	262 / 118.8	250 / 113.4
Shipping Dimensions H x W x D (in/cm)	48 x 40 x 18 / 121.9 x 101.6 x 45.7	48 x 40 x 18 / 121.9 x 101.6 x 45.7	48 x 40 x 18 / 121.9 x 101.6 x 45.7	48 x 40 x 18 / 121.9 x 101.6 x 45.7
Shipping Weight (lb/kg)	220 / 99.8	213 / 96.6	284 / 128.8	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 and PV array breakers, GFDI and input-output-bypass. (Note: GFDI is integrated in the FM100 charge controller with 300VDC models.)
See individual product specsheets or product guide for full specifications. **Overcurrent protective device.

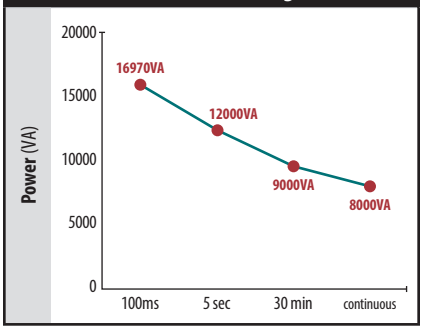
Radian GS8048A Power Factor Chart



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.

Radian GS8048A Power Rating Chart



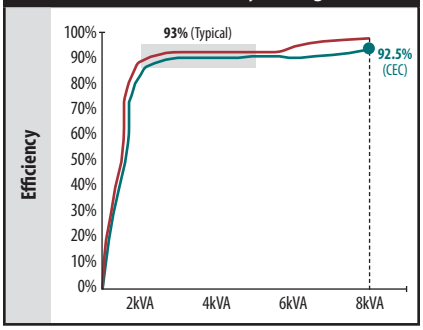
Instantaneous Power Rating
Most stringent, massive load start **GS8048A**: 16970VA

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

Radian GS8048A Efficiency Rating Chart



INVERTING SELLING

Typical Efficiency Rating
Real world efficiency with variable loads **GS8048A**: 93%

CEC Efficiency Rating
Most stringent US rating **GS8048A**: 92.5%