

# FLEXpower Radian Series 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

## 3. BUILT FOR DEPENDABLE, LONG-TERM USE

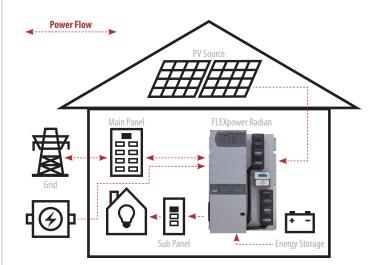
### Extensive quality and reliability testing

- 15 years of experience manufacturing and improving products for fault-intolerant, mission-critical applications
- $\bullet$  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))

# 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 RE, GH, NC and OPzV Batteries • Battery Enclosures and Racking



### MANAGE THE SYSTEM

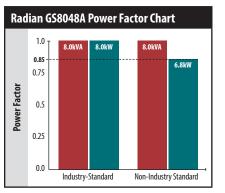
OPTICS RE System Monitoring and Control
 MATE3 System Display and Communications

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### FLEXpower Radian SPECIFICATIONS

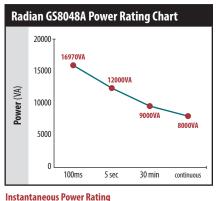
Model*	Description	Inverter	GSLC	Bypass	Inverter OCPD**	PV OCPD**	GFDI	RTS	Charge Controller	
FPR-4048A	GS4048A FLEXpower Radian	GS4048A	GSLC175-PV1-120/240	120/240VAC	175A	80A	Yes	Yes	(1) FLEXmax 80	
FPR-8048A	GS8048A FLEXpower Radian	GS8048A	GSLC175-PV1-120/240	120/240VAC	(2) 175A	(2) 80A	Yes	Yes	(2) FLEXmax 80	
Details	FLEXpower Radian 4048A				FLEXpower R	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 / 1	47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9				
Weight (lb/kg)	195 / 88.5				250 / 113.4	250/113.4				

\*All pre-wired systems include a Radian Series inverter/charger, FLEXmax 80 charge controller(s), MATE3 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. See individual product specsheets or product guide for full specifications. \*\*Overcurrent protective device.

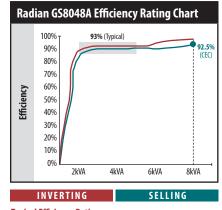


#### **Power Rating Notes**

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.



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



Typical Efficiency RatingReal world efficiency with variable loadsGS8048A: 93%CEC Efficiency RatingGS8048A: 92.5%