



Renewable Energy Systems

FLEXpower Radian with Energy Storage



FPR-8048A-28.8kWh

- All-in-one package includes a FLEXpower Radian, Integrated Battery Rack (IBR) and EnergyCell RE batteries
- Easy-to-order, pre-packaged systems, available in two sizes, offer a simplified solution
- For optimized system footprint, the IBR is designed to fit underneath the FLEXpower Radian
- Faster installation with a pre-assembled system and fully integrated GS load center can save up to a half day of labor
- Advanced Grid/Hybrid technology allows for grid-interactive and stand-alone capability in one unit
- Overcurrent protection on each battery string provides added safety and flexibility

OutBack's Renewable Energy System is an all-in-one package that includes the inverter/charger, balance-of-system components, and energy storage.

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

Remote system control and monitoring available through any internet-connected device with OPTICS RE. System carries all necessary ETL certifications and are UL recognized.

Renewable Energy System Applications:

- **FPR-4048A (19.2kWh):** Ideal for smaller power grid-tied with battery backup or stand-alone applications—including homes, cabins, or remote communication sites with up to one day of autonomy.
- **FPR-8048A (28.8kWh):** Ideal for medium-power grid-tied with battery backup or stand-alone applications — including larger homes and light commercial backup power systems.

Models:	FPR-4048A-19.2kWh	FPR-8048A-28.8kWh
Description	FLEXpower Radian with 19.2kWh of energy storage and IBR	FLEXpower Radian with 28.8kWh of energy storage and IBR
Inverter	GS4048A	GS8048A
GSLC	GSLC175PV1-120/240	GSLC175PV-120/240
Bypass	120/240VAC	120/240VAC
Inverter OCPD**	175A	175A
PV OCPD**	80A	80A
GFDI	Yes	Yes
RTS	Yes	Yes
Charge Controller	(1) FLEXmax 80	(2) FLEXmax 80
Batteries	(8) EnergyCell 200RE	(12) EnergyCell 200RE
Battery Bank Voltage	48VDC	48VDC
Battery Rack	IBR-2-48-175	IBR-3-48-175
Dimensions H x W x D (in/cm)	FLEXpower Radian: 47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9 IBR-2: 33 x 27.0 x 21.25 / 83.8 x 68.6 x 54	FLEXpower Radian: 47.0 x 33.5 x 9.84 / 119.4 x 85.1 x 24.9 IBR-3: 48.6 x 27.0 x 24.4 / 123.4 x 68.6 x 61.9
Weight (lb/kg)	FLEXpower Radian: 195 / 88.5 IBR-2 w/ Batteries: 1108 / 507.0	FLEXpower Radian: 250 / 113.4 IBR-3 w/ Batteries: 1661 / 760.4

*OutBack Renewable Energy Systems include: A fully pre-wired FLEXpower Radian (Radian Series inverter/charger, FLEXmax 80 charge controller(s), MATE3 system display and communications, FLEXnet DC system monitor, AC and DC wiring boxes, HUB 10.3 communications device, surge protector, remote temperature sensor (RTS), battery and PV array breakers, GFDI, and input-output-bypass pre-built onto included mounting plane), an Indoor Battery Rack (IBR) and EnergyCell 200RE batteries with cell interconnects, cabling, and series string overcurrent protection and disconnects included. All electrical connections are made at the factory and ship fully assembled. See individual product specsheets or product guide for full specifications.

**Overcurrent protective device.

