

1. ENGINEERED FOR RELIABILITY

Accelerated Life Testing (HALT) testing, including Highly
 15 years of experience manufacturing products for fault-intolerant, mission-critical applications
 Standard 5 year warranty (extended 10 year warranty available)
 Field upgradeable software

2. DESIGNED FOR FLEXIBILITY

: up to nine units can be combined for three-phase operation and ten in parallel, single-phase operation
 Seven different programmable operational modes, with generator assist
 Advanced Battery Charging (ABC) programmability accommodates traditional and advanced chemistry batteries
 GridZero operating mode minimizes grid dependence in areas where incentives are changing and utility sell-back is limited
 7000 and 3500VA 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

3. EASY-TO-INSTALL AND MAINTAIN

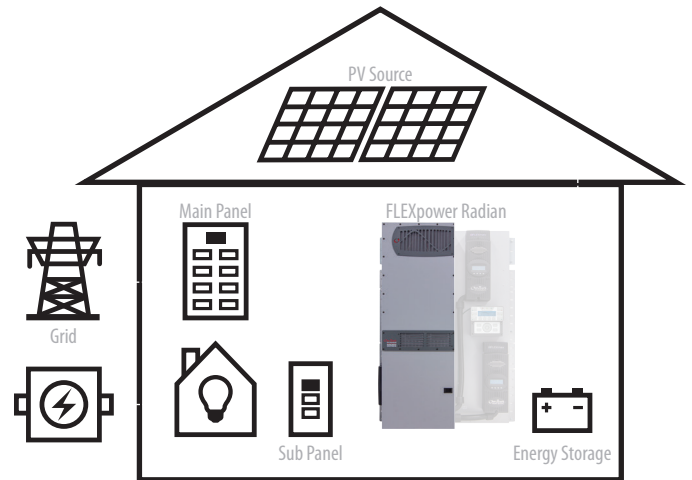
with smart programming wizards
 Pre-wired GS load center (GSLC) option allows for quick, easy installation
 Complete balance-of-system components available
 Field-serviceable modular design and global technical support
 Monitor, command and control from any internet-connected device with OPTICS RE



GS7048E/GS3548E



Optional GS Load Center (GSLC)



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

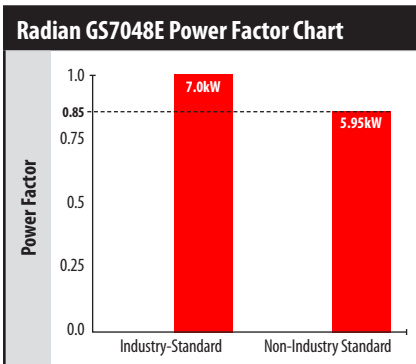
EnergyCell RE, GH, NC and OPzV Batteries
 Battery Enclosures and Racking



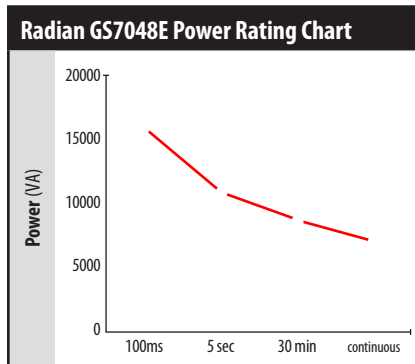
MANAGE THE SYSTEM

OPTICS RE System Monitoring and Control
 MATE3 System Display and Communications

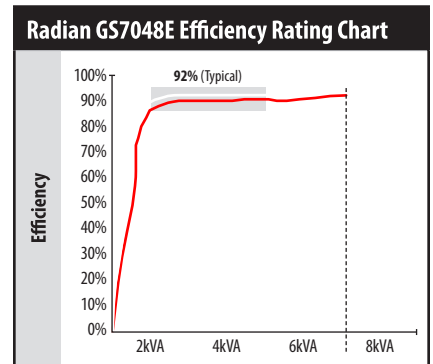
	GS7048E	GS3548E
Instantaneous Power (100ms)	16300VA	8200VA
Surge Power (5 sec)	11500VA	5800VA
Peak Power (30 min)	7900VA	4000VA
Continuous Power Rating (@ 25°C)	7000VA	3500VA
Nominal DC Input Voltage	48VDC	48VDC
AC Output Voltage (selectable)	230VAC (210-250VAC)	230VAC (210-250VAC)
AC Output Frequency (selectable)	50Hz (60Hz)	50Hz (60Hz)
Continuous AC Output Current (@ 25°C)	30AAC	15.2AAC
Idle Power	Invert mode, no load: 34W Search: 10W	Invert mode, no load: 34W Search: 10W
Typical Efficiency	92%	92%
Peak Efficiency	96%	96%
Total Harmonic Distortion	Typical: <2% Maximum: <5%	Typical: <2% Maximum: <5%
Output Voltage Regulation	±2%	±2%
AC Input Voltage Range (MATE3 Adjustable)	L-N: 170 to 290VAC	L-N: 170 to 290VAC
AC Input Frequency Range	@ 50Hz: 45 to 55Hz @ 60Hz: 54 to 66Hz	@ 50Hz: 45 to 55Hz @ 60Hz: 54 to 66Hz
Grid-Interactive Voltage Range	L-N: 208 to 252VAC	L-N: 208 to 252VAC
Grid-Interactive Frequency Range	@ 50Hz: 47 to 51Hz @ 60Hz: 57 to 61Hz	@ 50Hz: 47 to 51Hz @ 60Hz: 57 to 61Hz
Maximum AC Input Current	50AAC	50AAC
Maximum Utility Interactive Current	30A	15A
Continuous Battery Charge Output	100ADC	50ADC
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), MATE3 and HUB communications	Remote temperature sensor (included), MATE3 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 x W x L (in/cm)	Unit: 28 x 16 x 8.7 / 71.1 x 40.6 x 22.1 Shipping: 34.5 x 21 x 14.5 / 87.6 x 53.3 x 36.8	Unit: 28 x 16 x 8.7 / 71.1 x 40.6 x 22.1 Shipping: 34.5 x 21 x 14.5 / 87.6 x 53.3 x 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	IEC 62477-1, AS4777.2, AS4773, EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3, AS3100, CE, RoHS compliant per directive 2011/65/EU	IEC 62477-1, AS4777.2, AS4773, EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3, AS3100, CE, RoHS compliant per directive 2011/65/EU



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 **GS7048E: 16300VA**
- Less stringent load start **GS7048E: 11500VA**
- Frequent "heavy duty" load requirements **GS7048E: 7900VA**
- Sustained "real world" load requirements **GS7048E: 7000VA**



SELLING

- Highest efficiency rating achievable **GS7048E: 96%**
- Real world efficiency with variable loads **GS7048E: 92%**