







Reliable Pure Sine Wave Power Generation & Storage

CEG systems provide more hours of stored, pure sine wave energy because they feature a number of proprietary, seemlessly integrated components:

ENHANCED BATTERIES, PROPRIETARY CHARGE CONTROLLER - CEG's proprietary batteries, manufactured by a large, international battery company, contain a custom dielectric frame between positive and negative ions. The frame's impact on the ions enables faster charging and more storage hours. CEG's charge controller optimizes battery efficiency via a unique algorithm that monitors and controls the entire system and receives automatic software upgrades via Wi-Fi.

INTEGRATED PROPRIETARY POWER FACTOR UNITS - CEG Hybrid Power Generators incorporate proprietary Power Factor Capacitors which supply power to meet demand surges, thereby enhancing efficiency and prolonging battery amp hours.

CUSTOM INVERTERS - CEG's custom, high quality inverters contain fail-safe redundant printed circuit boards. This addresses the weak link in any energy storage system as inverters produce heat which can cause electronics to fail. Further enhancements to CEG inverters include over-sized wiring and copper clad connectors.





















Company Overview

The inevitable ascension of renewable energy has now occurred, fostered not only by the emergence innovative, economically attractive technologies but by the ability to connect those technologies to the appropriate customers. Incentive driven enterprises will be replaced by companies featuring both technologies and products that are financially and environmentally attractive and are supported by marketing and sales platforms that will let them access their appropriate markets. Those are the companies that will complete the transformation of renewable energy from a subsidized peripheral source of power into a mainstream supplier of overall energy needs.

Catalyst Energy Group (CEG) is precisely that combination. Possessing a large multi-national manufacturing capability, a cutting edge design and engineering laboratory and a sales and marketing team with international reach, CEG offers an innovative, uniquely effective and adaptable array of energy generation and storage products that feature unmatched performance in extraordinarily durable configurations. CEG's decades of manufacturing and engineering capabilities provide the capacity to accommodate the needs of large multi-national customers while its creative design laboratory relentlessly integrates refinements and innovation into each of its products.

The effectiveness of energy generation and storage systems is determined by some simple math. How efficiently does the product accumulate and store power and for how may KW or MW hours can it provide that power? In terms of KW hours, many of the smaller, and sometimes mobile "solar" units available, are actually conventional fossil fuel generators disguised as renewable products and too often the larger Megawatt units are one size fits all ponderous devices that output very few hours of stored energy. CEG products are different. In every configuration, they provide the vast majority of their power from the renewable source and in the larger sizes can be customized to specifically address the needs of the customer.

CEG systems range in size from 3 kW to 1 mW and are available in both mobile and stationary configurations with proprietary firmware capable of optimizing functionality to meet each customer's operating conditions. These systems don't function simply as a conduit, accumulating power and then transferring that power, but as a legitimate storage facility as gathered energy is always sent to batteries initially and then distributed at the times and at the volumes required by the customer. All products are engineered as plug and play, are designed to accommodate new technologies as they become viable and can be daisy chained to meet demand of any size.

Introduction







Solar and Gen-set

Plug & Play architecture. Environmentally friendly

Electricity generated in CEG Solar & Hybrid Systems is stored in self-maintaining deep cycle stationary batteries.



Solar and Wind

An optional Gen-Set bridges the gap when demand exceeds generation from solar and wind. The Gen-Set automatically starts, fills the gap, then automatically shuts off. A

If the models are delivered fully assembled, after rigorous testing.



Solar, Wind, Gen-set

Ready to meet demand 24 hours a day, CEG Solar & Hybrid Systems power single homes, factories, hospitals and entire villages.



Diesel Vs CEG

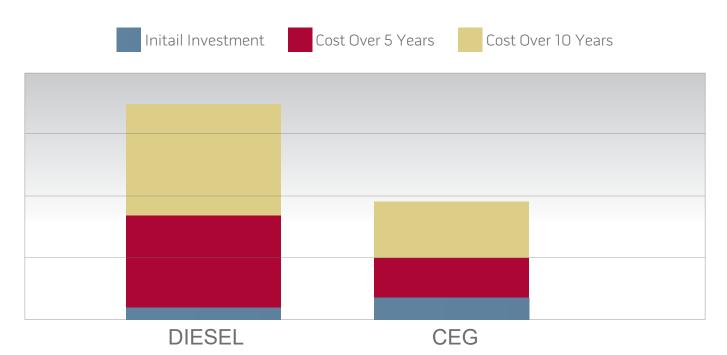
CEG systems have many advantages over Diesel Generators.

They are quiet and require virtually no maintenance.

There are no costly repairs as there are no moving parts.

Above all, no fuel is required as it is harnessed from the sun and wind.

Diesel vs CEG cost



	AC GENSET	CEG
Fuel Consumption at 100%	2.7 liters per hour	O litres
Service	360 Hours	8.640 Hours
Maintenance	(15 days)	(12 Months)
Major Service	4320 hours	43.200 hours
Maintenance	(6months)	(5 years)



How to choose?



SOLAR models are recommended in areas with high sun exposure.

Clean, quiet and economical.



SOLAR and GEN SET models are recommended for higher consumption.

The Gen-Set bridges the gap when demand exceeds solar generation. The Gen-Set automatically starts, fills the gap, then automatically shuts off.



SOLAR and WIND models are best in windy areas with good sun exposure.



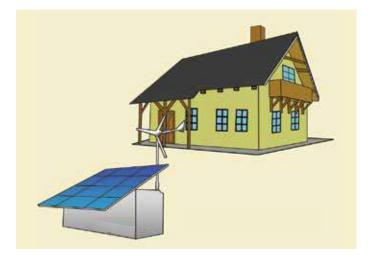
SOLAR, WIND, GEN-SET models are recommended in windy, sunny areas when continuous power is required (hospitals, businesses, schools, public buildingd, etc).

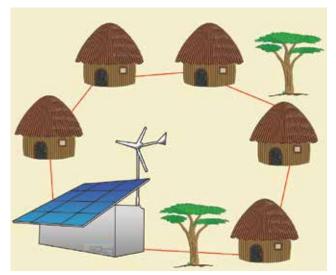


Applications

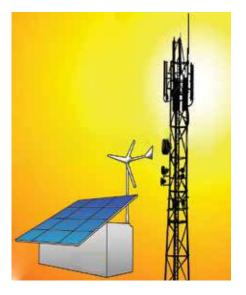
CONSTRUCTION SITES

- Disaster relief
- Remote Research Stations
- Remote Resorts, homes and farms
- Uninterruptible power Systems













Applications









- » Agriculture
- » Irrigation
- » Wells
- » Machinery
- » Factories
- » Schools
- » Housing
- » GSM/ Telecommunication stations
- » Submersible number for wells
- » Villages



CONTAINER MODELS

EASY TRANSPORT

» containers easily carried with forklifts or crane.

EASY INSTALLATION

- » Simple installation, within hours. No technical skills required.
- » Turnkey, rapid solar deployment and setup.





RA.C-S8-i3 RA.C-S8-i6 RA.C-S8-i7

ŒEGCatalyst Energy Group

		RA.C-S8-i3	RA.C-S8-i6	RA.C-S8-i7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	10.4	10.4	10.4
	Number of Panels	8	8	8
	Total Array Watts	2080	2080	2080
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years

RA.C-S8-i3-W1 RA.C-S8-i6-W2 RA.C-S8-i7-W2





		RA.C-S8-i3-W1	RA.C-S8-i6-W2	RA.C-S8-i7-W2
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	10,4	10,4	10,4
	Number of Panels	8	8	8
	Total Array Watts	2080	2080	2080
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Wind	Rotor Diameter	1.54 Meters	3.2 Meters	3.2 Meters
		3-Blade Downwind	3-Blade Downwind	3-Blade Downwind
	Peak Output	750W	2400W	2400W
	Manufacturer	Leading Edge	Leading Edge	Leading Edge
	Warranty	2 Years	2 Years	2 Years



RA.C-S8-i3-W1-G7 RA.C-S8-i6-W2-G7 RA.C-S8-i7-W2-G7

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		RA.C-S8-i3-W1-G7	RA.C-S8-i6-W2-G7	RA.C-S8-i7-W2-G7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
	Manufacturer			
Solar	kWh per day	10,4	10,4	10,4
	Number of Panels	8	8	8
	Total Array Watts	2080	2080	2080
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Wind	Rotor Diameter	1.54 Meters	3.2 Meters	3.2 Meters
	Peak Output	750W	2400W	2400W
	Manufacturer	Leading Edge	Leading Edge	Leading Edge
	Warranty	2 Years	2 Years	2 Years
Diesel Generator	Prime Rating	5.6 kW	5.6 kW	5.6 kW
	Amp / Voltage	24 A / 230 V	24 A / 230 V	24 A / 230 V

RA.C-S8-i3-G7 RA.C-S8-i6-G7 RA.C-S8-i7-G7





		RA.C-S8-i3-G7	RA.C-S8-i6-G7	RA.C-S8-i7-G7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	10.4	10.4	10.4
	Number of Panels	8	8	8
	Module Watts Each	260	260	260
	Total Array Watts	2080	2080	2080
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Diesel Generator	Prime Rating	5.6 kW	5.6 kW	5.6 kW
	Amp / Voltage	24 A / 230 V	24 A / 230 V	24 A / 230 V



RA.C-S12-i3 RA.C-S12-i6 RA.C-S12-i7

CEGCatalyst Energy Group

		RA.C-S12-i3	RA.C-S12-i6	RA.C-S12-i7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter, Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
	Туре	Lead Acid	Lead Acid	Lead Acid
Solar	kWh per day	15,6	15,6	15,6
	Number of Panels	12	12	12
	Module Watts Each	260	260	260
	Total Array Watts	3120	3120	3120
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years

RA.C-S12-i3-W1 RA.C-S12-i6-W2 RA.C-S12-i7-W2





		RA.C-S12-i3-W1	RA.C-S12-i6-W2	RA.C-S12-i7-W2
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	15,6	15,6	15,6
	Number of Panels	12	12	12
	Module Watts Each	260	260	260
	Total Array Watts	3120	3120	3120
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Wind	Rotor Diameter	1.54 Meters	3.2 Meters	3.2 Meters
	Peak Output	750W	2400W	2400W
	Manufacturer	Leading Edge	Leading Edge	Leading Edge
	Warranty	2 Years	2 Years	2 Years



RA.C-S12-i3-W1-G7 RA.C-S12-i6-W2-G7 RA.C-S12-i7-W2-G7

CEGCatalyst Energy Group

		RA.C-S12-i3-W1-G7	RA.C-S12-i6-W2-G7	RA.C-S12-i7-W2-G7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	15.6	15.6	15.6
	Number of Panels	12	12	12
	Module Watts Each	260	260	260
	Total Array Watts	3120	3120	3120
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Wind	Rotor Diameter	1.54 Meters	3.2 Meters	3.2 Meters
	Peak Output	750W	2400W	2400W
	Manufacturer	Leading Edge	Leading Edge	Leading Edge
	Warranty	2 Years	2 Years	2 Years
Diesel Generator	Prime Rating	5.6 kW	5.6 kW	5.6 kW
	Amp	24 A	24 A	24 A
	Voltage	230 V	230 V	230 V
	Frequency	50 Hz	50 Hz	50 Hz
	Tank Capacity	16 L	16 L	16 L

RA.C-S12-i3-G7 RA.C-S12-i6-G7 RA.C-S12-i7-G7





		RA.C-S12-i3-G7	RA.C-S12-i6-G7	RA.C-S12-i7-G7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	15.6	15.6	15.6
	Number of Panels	12	12	12
	Module Watts Each	260	260	260
	Total Array Watts	3120	3120	3120
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Diesel Generator	Prime Rating	5.6 kW	5.6 kW	5.6 kW
	Amp	24 A	24 A	24 A
	Voltage	230 V	230 V	230 V
	Frequency	50 Hz	50 Hz	50 Hz
	Tank Capacity	16 L	16 L	16 L



RA.C-S16-i3 RA.C-S16-i6 RA.C-S16-i7

CEGCatalyst Energy Group

		RA.C-S16-i3	RA.C-S16-i6	RA.C-S16-i7
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	20.8	20.8	20.8
	Number of Panels	16	16	16
	Module Watts Each	260	260	260
	Total Array Watts	4160	4160	4160
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller MPPT	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years

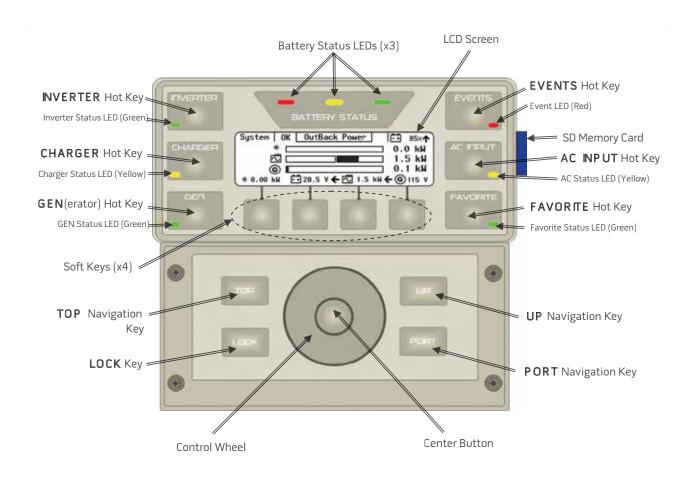
RA.C-S16-i3-G7 RA.C-S16-i6-G7 RA.C-S16-i7-G7



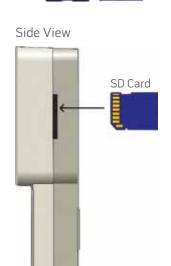


		RA.C-S16-i3-G5	RA.C-S16-i6-G5	RA.C-S16-i7-G5
Inverter	Rated Output	3000 VA	6000 VA	7000 VA
	Surge	5750 VA	11500 VA	16300 VA
	AC Voltage	230 VAC	230 VAC	230 VAC
	Туре	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger	True Sinewave Inverter/ Charger
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Battery	Bank in Amp-Hours	620	620	620
	Est. Bank Storage	14.8 kWh	29.7 kWh	29.7 kWh
	Туре	Lead Acid	Lead Acid	Lead Acid
	Deep Cycle	1500	1500	1500
	Warranty	3 Years	3 Years	3 Years
Solar	kWh per day	20,8	20,8	20,8
	Number of Panels	16	16	16
	Module Watts Each	260	260	260
	Total Array Watts	4160	4160	4160
	Manufacturer	ZNShine Solar	ZNShine Solar	ZNShine Solar
	Warranty	25 Years	25 Years	25 Years
Charge Controller	Max Amps DC	80	80	80
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Monitoring	Program, manage and monitor entire system	YES	YES	YES
	System configuration wizard	YES	YES	YES
	Up to 1-year of data logging	YES	YES	YES
	Internet-enabled	YES	YES	YES
	SD memory card slot	YES	YES	YES
	Manufacturer	Outback	Outback	Outback
	Warranty	5 Years	5 Years	5 Years
Diesel Generator	Prime Rating	5.6 kW	5.6 kW	45.6 kW
	Amp	24 A	24 A	24 A
	Voltage	230 V	230 V	230 V
	Frequency	50 Hz	50 Hz	50 Hz
	Tank Capacity	16 L	16 L	16 L

Features



- Program, manage and monitor entire system
- ❖ Intuitive menu structure
- Easy-to-read graphical display
- System configuration wizard
- ❖ Internet-enabled
- ❖ Field upgradable
- ❖ Up to 1-year of data logging
- SD memory card slot



Back

Front

Features



AC inlet - simple Grid/Utility connection

Inverters

FLEXware 250 System

For applications with a single OutBack FX Series Inverter/Charger and one MX Series ---- Charge Controller. No mounting plate required. Powder-coated aluminum with stainless steel hardware.

FW250 DC

AC breaker enclosure - secures directly to either end of an FX Series Inverter/Charger. Includes ground bus bar and DC breaker handle guard. Holds up to eight 1 to 80 Amp, one 175 or 250 Amp panel mount breaker and a GFCI AC outlet (not included). Does not use the DCA or ACA for connection to an FX Series Inverter/Charger. (DC current shunt not included).



FW500-AC

AC breaker enclosure - fits at the AC side of one or two FX Series Inverter/Chargers. Includes ground bus bar and DIN mounting bracket for up to sixteen DIN type breakers (not included) and a GFCI AC outlet (not included). Requires optional FW-ACAs for connection of each FX Series Inverter/Charger.

FLEXware 1000 Power System

For applications with three or four OutBack FX Series Inverter/Chargers and up to four MX Series ----- Charge Controllers. Uses two FW-MP mounting plates. Powder-coated aluminum with stainless steel hardware.

FW1000-DC

DC breaker enclosure - fits at the DC side of up to four FX Series Inverter/Chargers. Includes ground bus bar, 1000 Amp DC shunt assembly with negative TBB breaker mounting screws - holds up to eleven 1 to 80 Amp, nine 100 or 125 Amp and six 175 or 250 Amp panel mount breakers (not included). Requires optional DCAs for connection of each FX Series Inverter/Charger.



FLEXware 500 System

For applications with one or two OutBack FX Series Inverter/Chargers and one or two MX Series ----- Charge controllers. Uses one FW-MP mounting plate. Powder-coated aluminum with stainless steel hardware.

FW500-DC

DC breaker enclosure - fits at the DC side of one or two FX Series Inverter/Chargers. Includes ground bus bar, 500 Amp DC shunt assembly with negative TBB breaker mounting screws Đ holds up to eight 1 to 80 Amp, three 100 or 125 Amp and two 175 or 250 Amp panel mount breakers (not included). Requires optional DCAs for connection of each FX Series Inverter/Charger.



FW1000-AC

AC breaker enclosure - fits at the AC side of up to four FX Series Inverter/Chargers. Includes ground bus bar and two DIN mounting brackets for up to thirty-two DIN type breakers (not included) and two GFCI AC outlets (not included). Requires optional ACAs for connection of each FX Series Inverter/Charger.

Inverters

With all the hallmark features you've come to expect from the **Radian inverter/charger**, the expanded Radian family includes **four models**, **seven operating modes** and **two advanced technologies**, all adding up to unmatched performance, reliability, value and system flexibility.



Radian Series Operating Modes

Mini Grid OPERATING MODE

Ideal for sites where sufficient renewable energy enables mostly off-grid operation.

Grid-Tied OPERATING MODE

Ideal for systems in regions with Feed-in-Tarrif (FiT), net-metering or other incentive programs. Control use features include grid use timers.

GridZero OPERATING MODE

Ideal in areas where incentives are subject to change and utility sell-back options may be limited. Control use features include grid use timers.

Support OPERATING MODE

Ideal for sites with small generators or inadequate grid power. Control use features include system-level high battery transfer (HBX) programming, prioritizing batteries as primary source.

Backup operating mode

Ideal for systems where computers and other sensitive loads are present. Control use features include system-level high battery transfer (HBX) programming, prioritizing batteries as primary source.

UPS OPERATING MODE

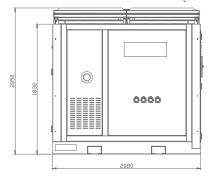
Ideal for commercial applications where uninterrupted power is mission-critical.

Generator OPERATING MODE

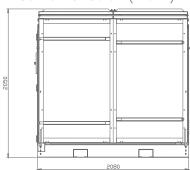
Ideal for systems with undersized or low power quality generators.

Dimensions

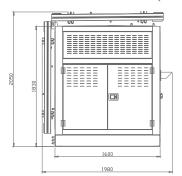
Container Solar & Genset (Side)



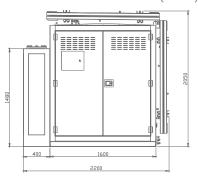
Container Solar (Front)



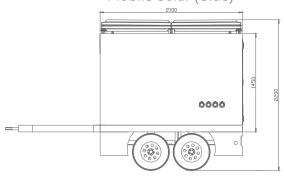
Container Solar & Genset (Back)



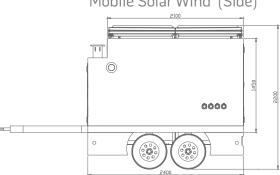
Container Solar & Wind (Side)



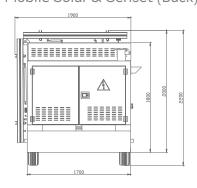
Mobile Solar (Side)



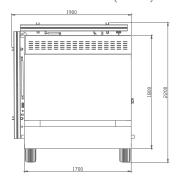
Mobile Solar Wind (Side)



Mobile Solar & Genset (Back)



Mobile Solar (Back)



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