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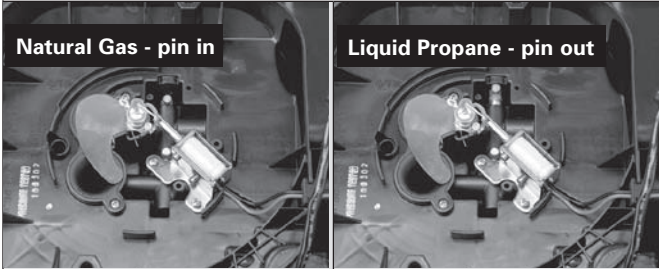
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Standby Power Systems

Generator Features

Natural gas/liquid propane fuel setup

The 8 - 48 kW units ship from the factory ready for use with natural gas. The conversion to propane is as simple as flipping a switch on 10, 14, 17, and 20kW units. Remove the air filter cover and pull out the rod to convert to propane. 8kw and 22-48kW models require a few additional conversion steps referenced in the owners manual.



Exhaust enclosure

Verify spacing with local code and inspector, prior to installation. Typically, the generator must be placed away from any opening in the house due to exhaust regulations from NFPA guidelines.

Wind resistant housing

150 MPH wind resistant design on both steel and aluminum units, ASCE 7 Standards. Electrostatically applied textured epoxy paint for added durability.

Composite base

Air cooled units are provided with composite mounting pad. Liquid cooled units require a concrete slab.

Oil dipstick, low oil switch, high temperature switch, oil filter, oil drain hose

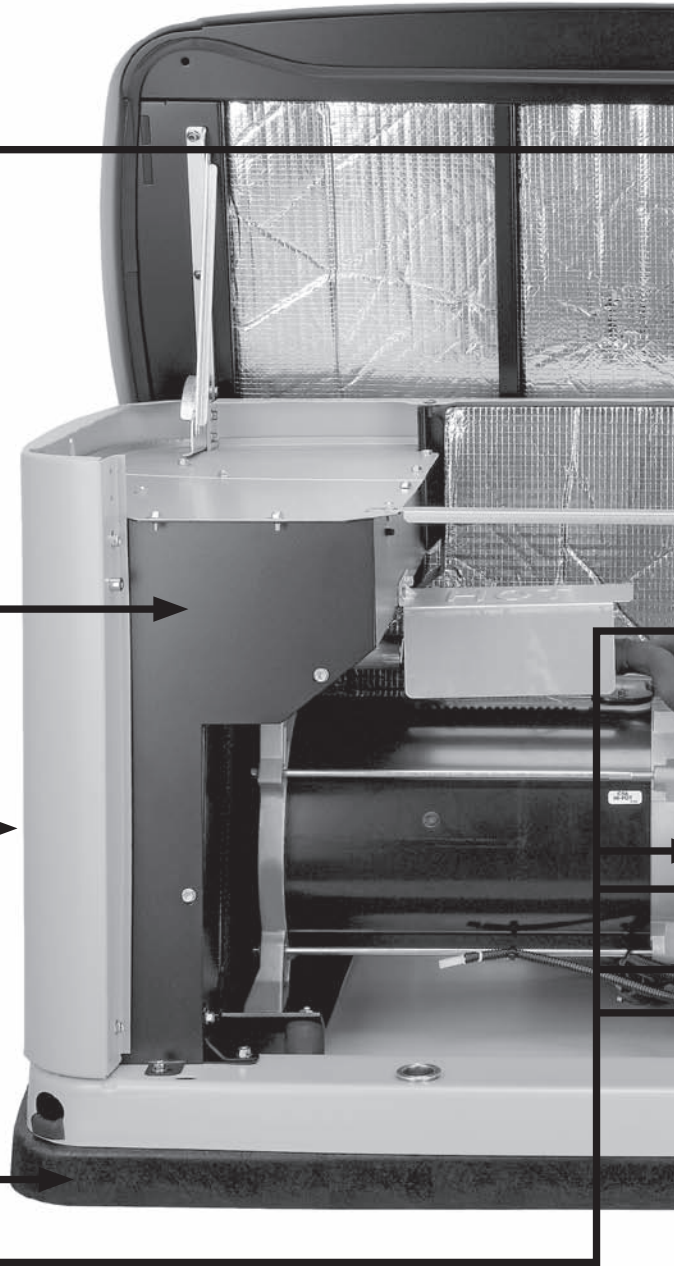
Break in periods are not required on Siemens standby generators to initiate the warranty, but are recommended.

Snap-in cover plate

Easy access for remote wireless monitor. Refer to page 18-19 for monitor offering.

Fuel line connection

A section of UL or AGA approved flexible fuel line is required to protect the rigid fuel line connections against generator vibration. 1' flexible fuel line connector is included.



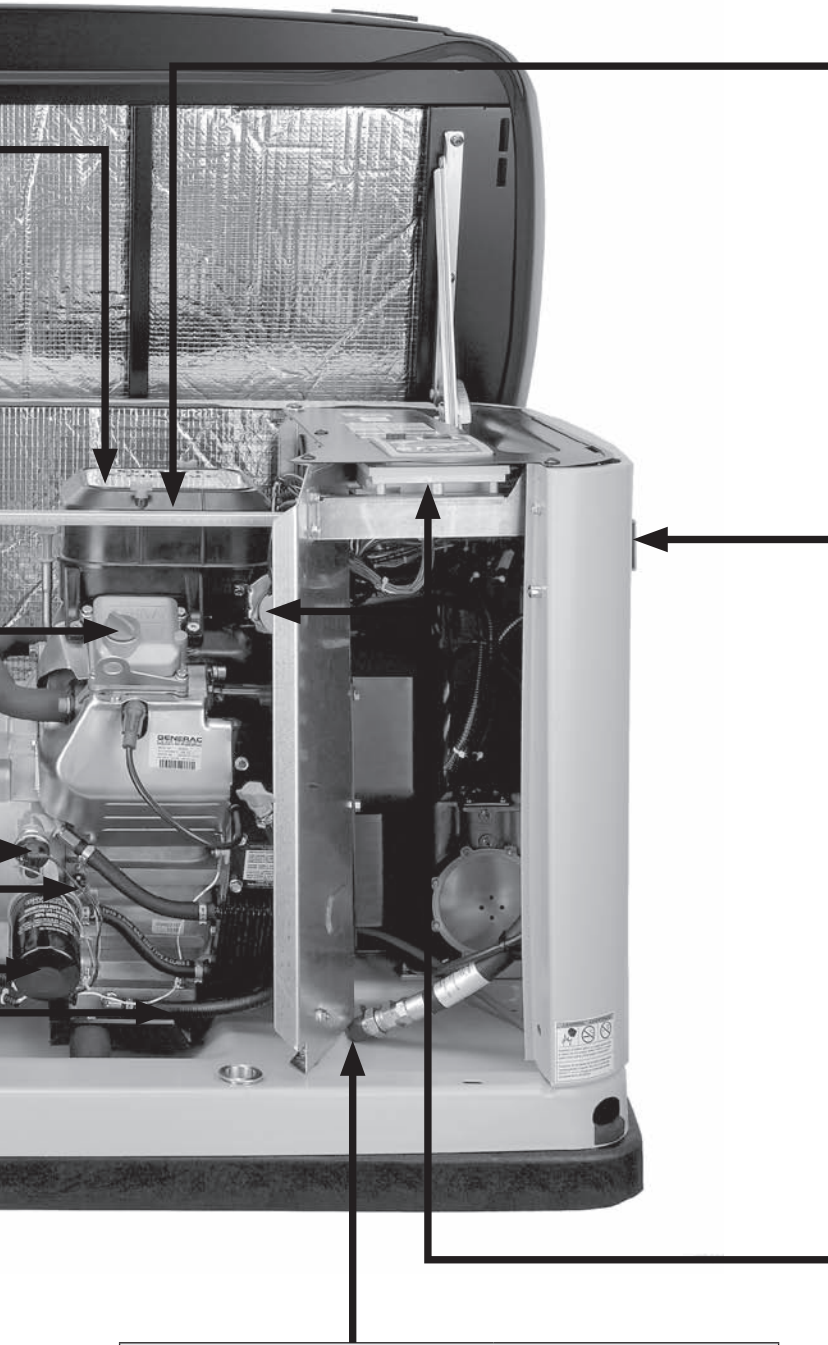
Generator back view



Standby Power Systems

Generator Features

• Revised •
05/14/12

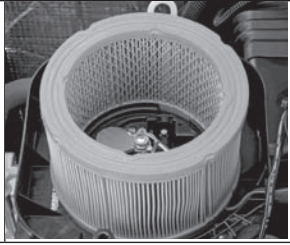


Air filter

Prolong the life of your engine through routine maintenance and ensure warranty requirements are met.

Maintenance is recommended annually or every 200 hours.

Refer to page 18-18 for maintenance kit offerings.

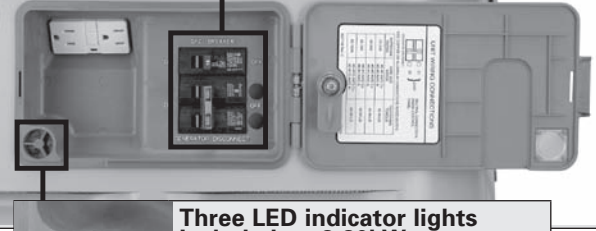


External breaker connections

180° swing door capability and prop rod allows full range of motion for ease of access during installation as well as servicing on 80-20 kW units.


External mainline circuit breaker

Power shutdown eliminates the need to open the enclosure. Meets fire marshal code.



Three LED indicator lights included on 8-20kW


- Green = Generator OK
- Yellow = Maintenance needed (not on 8-14 kW)
- Red = Contact dealer



Battery compartment

Batteries are not included with 8-60kW units and must be purchased separately.

The recommended battery for 8-45kW and 60kW models is a 26 frame battery capable of 525-550cca. Refertopage 18-20 for 26R battery. The recommended battery for a 48kW model is a Group 24F 525cca, 12V battery.





Control panel

Nexus controller functions include monitoring utility power, triggering the automatic transfer switch, starting and stopping the generator, exercising the generator, and monitoring the generator for any system faults. Combines the voltage regulator, engine control board and battery charger into one single item - Brings more functionality to the generator control for a smarter power solution

Product Activation is required on all Nexus Controlled Models 8-150kW to engage automatic transfer mode. Generator will operate in manual mode until activation code is entered

Easy, one-time activation process can be completed in shop or on-site. Data label is located inside the generator. Serial number is required for generator activation.

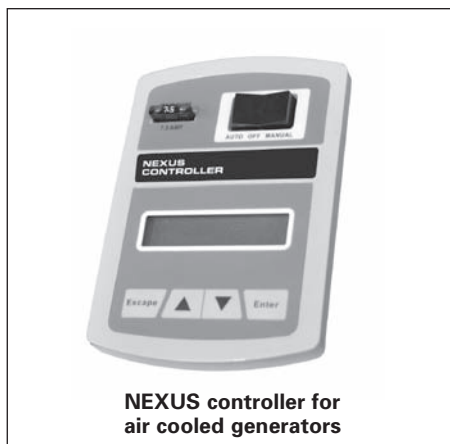
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STANDBY
GENERATORS

Standby Power Systems

Standby Generator Controllers

Selection

Industry leading system controls



NEXUS controller for air cooled generators

Type "N" Nexus Digital LCD Controller

Functions include monitoring utility power, triggering the automatic transfer switch, starting and stopping the generator, exercising the generator, and monitoring the generator for any system faults.

■ Expanded event log capability

Records up to 50 events within the controller on ALL units

■ NEW High Voltage Shutdown

Shuts down the generator at >130% rated voltage for 200 milliseconds or >110% for 5 seconds to better protect home owner appliances or connected items

■ NEW Low Voltage Shutdown

Shuts down the generator at <60% voltage for 5 seconds to better protect home owner appliances or connected items

■ NEW Internal Fault Shutdown

Shuts down the generator when a failure is detected within the Nexus Controller for more protection and easier diagnostics

■ NEW Battery Sentinel

Monitors the battery and charging system to indicate that the battery is trending towards failure or that it has failed

■ 50 event log

All generators 8-20 kW feature a full event log capable of recording up to 50 events

■ NEW Smart Battery Charger

Only delivers a charge to the battery when needed - Varies battery charge depending on ambient air temperature to increase or decrease charge depending on the temperature

■ NEW Improved Voltage Regulation

With the combination into the Nexus Controller, the improved voltage regulation delivers an industry leading voltage regulation +/- 1%

■ NEW Product Activation

Requires each generator to be activated via website or phone before automatic function is enabled - Allows a warranty activation start point for every generator sold.

■ NEW External Common Fault Alarm

The Nexus Controller has a provision to connect to a set of contacts that will allow for a common alarm when any of the generator shut downs occur- This will allow individuals to connect into security systems, home automation systems or simply drive a different alarm within a home or business

■ Adjustable generator start time

When utility fails, the control is factory set to delay 10 seconds prior to starting the engine. There is also the capability to change the delay time between 10-30 seconds

■ Incorrect Wiring Error

Eliminates the potential of damaging the Nexus Controller if it is not connected properly, a warning message is displayed that must be corrected before the controller is allowed to be fully operational

Display	Alarms	Service Features	Key Miscellaneous
LCD display and keypad ^①	Generator high voltage	Battery sentinel	Battery charger
Remote maintenance LEDs	Generator low voltage	Maintenance scheduling	Product activation
Time and date	Over frequency ^①	50 event log expanded to all models	Voltage regulator
Alarm log	Underspeed / fail to transfer		Wireless ready
Run log	Low battery voltage	<p>NEXUS controller for liquid cooled generators</p>	
Set exercise via display	High engine temp		
Engine hour display	Low oil pressure		
Version display ^①	Internal governor failure ^①		
RPM display	Overcrank		
Command display ^①	Overspeed		
Frequency display	RPM sensor loss		
Battery voltage display	Internal fault		
Battery current display ^①	Low fuel pressure		
Tri-lingual display	Wiring error		
De-bug screens ^①	External common fault alarm		
Hours under load ^①			
Gimbal mounted ^①			

^① Liquid cooled model only

Standby Power Systems

Catalog Logic

Easy order selection guide

Standby power generators		kW ratings ^⑤	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Fuel G = Natural Gas P = Liquid propane vapor B = Accepts both	Enclosure S = Steel A = Aluminum	Speed Blank = 3600 RPM L = 1800 RPM T = Turbo Charge ^②	Emissions E = Catalyst ^③
Air cooled	ASGN	8 ^④	R	B	S		
		10 ^④	R	B	S		
		14	R	B	S		
		17	R	B	S, A		
		20	R	B	A		
Liquid cooled	SGN	22	R, C, J	B	A	L	
		25	R, C, J	B	S		
		27	R, C, J	B	A	L	
		30	R, C, J	B	S		
		36	R, C, J, I	B	A	L	
		45	R, C, J, I	B	S		E
		48	R, C, J, I	B	A	L	E
		60	R, C, J, I	G, P	S, A	T	
		70	R, C, J, I	G, P	A	L	E
		80	R, C, J, I	G, P	A		
		100	R, C, J, I	G, P	A	L ^①	E
		130	R, C, J, I	G, P	A		E
150	R, C, J, I	G, P	A		E		
Transfer Switches ST = Indoor Branch Circuit SL = Outdoor LoadShedding		Amperage	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Service disconnect Blank = No D = Yes	Branch circuits		
ST		100	R		10C, 12C, 14C, 16C		
SL		100, 150, 200, 400, 600, 800	R, C, J, I	Blank, D ^④			

① 2300 RPM

② 3600 RPM

③ Catalyst option on 45, 48, and 70kW models. Catalyst factory installed on 100-130kW models. Catalyst meets CARB/EPA requirements for CA and MA. 36, 60, and 80kW models do not meet CARB/EPA requirements for CA and MA.

④ Disconnect only available on 100, 150, 200, and 400A SL single phase transfer switches.

⑤ Battery not included with 8-60kW. Refer to page 18-20 for 26R battery. The recommended battery for a 48kW model is a Group 24F 525cca, 12V battery.

⑥ Catalyst factory installed on units manufactured after September 2011. Catalyst meets CARB/EPA requirements for CA and MA. There will not be an "E" suffix on the catalog number.

Standby Power Systems

Air Cooled Standby Generators

8, 10, 14, 17, 20kW, 120/240V single phase



Standard Features

- UL 2200 Listed
- Four-cycle industrial engines provide durable, reliable, long life
- Operate on either natural gas or propane vapors
- Composite mounting pad approved to eliminate need to pour concrete pad²
- Automatic high temperature, low oil pressure, over speed, and over crank shut down
- Low battery voltage indicator
- Standard safety fuse
- Provided with Type "N" Nexus controller

Typical Load Requirements³

Description	kW
Electric Heat per 1,000 ft. ²	12.0
Heat Pump Elements per 1,000 ft. ²	7.0
Dryer	5.5
Hot Tub	10.0
Range Oven	5.0
Hot Water Heater	4.5
Stove Top Burner	1.5
General Receptacles per 1,000 ft. ²	3.0
Dishwasher	1.5
Blow Dryer	1.3
Microwave	1.0
Toasters	1.0
Lighting per 1,000 ft. ²	3.0



Generators shown on this page are ideal for smaller single family residential constructions, or partial loads on larger residential constructions. These panels can help support critical loads most required when power is interrupted.

Compatible Transfer Switches
ST100R10C ⁴
ST100R12C ⁴
ST100R14C ⁴
ST100R16C ⁴
SL100R
SL100RD
SL150RD
SL200R
SL200RD
SL200RDPM
SL400R
SL400RD

Catalog Number	kW Rating	Fuel ¹	Enclosure	Engine Size	Weight (lbs.)	Dimensions (in.)
ASGN008RBS	8	Both	Steel	410cc	340	48 x 25 x 29
ASGN010RBS	10	Both	Steel	530cc	387	
ASGN014RBS	14	Both	Steel	992cc	439	
ASGN017RBS	17	Both	Steel	992cc	455	
ASGN017RBA			Aluminum	992cc	421	
ASGN020RBA	20	Both	Aluminum	999cc	451	

¹ Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.
² Check local code requirements.
³ Estimated averages. Actual requirements vary by brand, model, size and other factors.
⁴ ST type transfer switches recommended with 8-17kW.
⁵ Battery not included with air cooled models 8-20kw. Refer to page 18-20 for 26R battery.

Standby Power Systems

Liquid Cooled Standby Generators

1800, 2300, and 3600 RPM, 120/240V 1-phase



Standard features

- UL 2200 Listed
- Meets EPA Emission Regulations
- Operate on either natural gas or propane vapors
- Automatic high temperature, low coolant, low oil pressure, and over speed shutdown
- Automatic voltage regulator with over voltage protection
- Isochronous Electronic Governor
- Safety fuse included
- Smart Battery Charger
- Quiet run weekly self test
- Provided with Type "N" Nexus controller

Catalog Number.	kW Rating ^①	Fuel	Enclosure	Engine Size	Speed	Weight (lbs.)	Dimensions (in.)
SGN022RBAL	22	Both ^①	Aluminum	2.4 L	1800 RPM	843	62.2 x 29 x 33.5
SGN025RBS	25	Both ^①	Steel	1.5 L	3600 RPM	875	62.2 x 29 x 33.5
SGN027RBAL	27	Both ^①	Aluminum	2.4 L	1800 RPM	891	62.2 x 29 x 33.5
SGN030RBS	30	Both ^①	Steel	1.5 L	3600 RPM	935	62.2 x 29 x 33.5
SGN036RBAL	36	Both ^①	Aluminum	2.4 L	1800 RPM	1271	76.8 x 33.5 x 45.1
SGN045RBS	45	Both ^①	Steel	2.4 L	3600 RPM	1414	76.8 x 33.5 x 45.1
SGN045RBSE ^②							
SGN048RBAL	48	Both ^①	Aluminum	5.4 L	1800 RPM	1740	76.8 x 33.5 x 45.1
SGN048RBALE ^②							
SGN060RGST	60	Natural gas	Steel	2.4 L	3600 RPM	1539	77 x 33.5 x 45.1
SGN060RPST		Liquid propane					
SGN060RGAT		Natural gas	Aluminum	2.4 L	3600 RPM	1422	
SGN060RPAT		Liquid propane					
SGN070RGAL	70	Natural gas	Aluminum	6.8 L	1800 RPM	2040	97 x 37 x 47
SGN070RPAL		Liquid propane					
SGN070RGALE ^②		Natural gas					
SGN070RPALE ^②		Liquid propane					
SGN080RGA	80	Natural gas	Aluminum	4.6 L	3600 RPM	1836	116 x 37 x 55
SGN080RPA		Liquid propane					
SGN100RGALE	100 ^②	Natural gas	Aluminum	6.8 L	2300 RPM	2531	116 x 37 x 55
SGN100RPALE		Liquid propane					
SGN130RGAE	130 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2699	116 x 37 x 55
SGN130RPAE		Liquid propane					
SGN150RGAE	150 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2492	116 x 37 x 55
SGN150RPAE		Liquid propane					

Compatible transfer switches

SL100R
SL100RD
SL150RD
SL200R
SL200RD
SL200RDPM ^①
SL400R
SL400RD
SL600R
SL800R

① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.

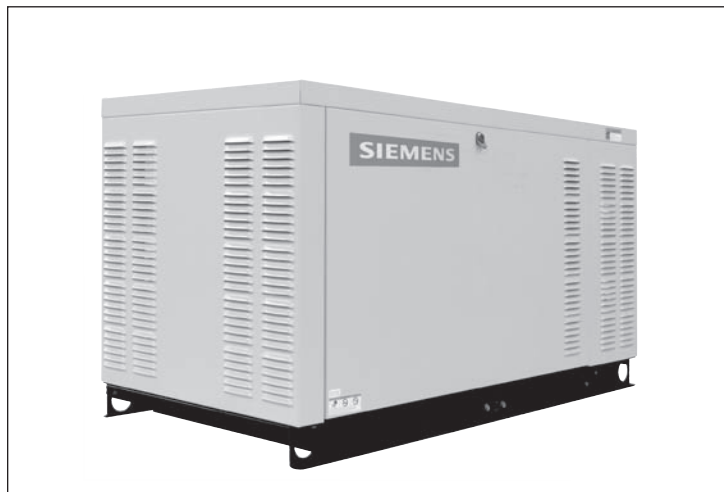
② Catalyst factory installed to meet CARB/EPA requirements for California and Massachusetts.

③ Battery not included on liquid cooled models 22-60kW. Refer to page 18-20 for 26R battery.

Standby Power Systems

Liquid Cooled Standby Generators

1800, 2300 and 3600 RPM, 120/208V 3-phase



Standard features

- UL 2200 Listed
- Meets EPA Emissions Regulations
- Operate on either natural gas or propane vapor^①
- Automatic high temperature, low coolant, low oil pressure, and over speed shutdown
- Automatic voltage regulator with over voltage protection
- Isochronous Electronic Governor
- Safety fuse included
- Smart Battery Charger
- Quiet run weekly self test
- Compatible with "SL" Type automatic transfer switches
- Provided with Type "N" Nexus controller

Catalog Number	kW Rating ^③	Fuel	Enclosure	Engine Size	Speed	Weight (lbs.)	Dimensions (in.)
SGN022CBAL	22	Both ^①	Aluminum	2.4 L	1800 RPM	843	62.2 x 29 x 33.5
SGN025CBS	25	Both ^①	Steel	1.5 L	3600 RPM	875	62.2 x 29 x 33.5
SGN027CBAL	27	Both ^①	Aluminum	2.4 L	1800 RPM	891	62.2 x 29 x 33.5
SGN030CBS	30	Both ^①	Steel	1.5 L	3600 RPM	935	62.2 x 29 x 33.5
SGN036CBAL	36	Both ^①	Aluminum	2.4 L	1800 RPM	1271	76.8 x 33.5 x 45.1
SGN045CBS	45	Both ^①	Steel	2.4 L	3600 RPM	1414	76.8 x 33.5 x 45.1
SGN045CBSE ^②							
SGN048CBAL	48	Both ^①	Aluminum	5.4 L	1800 RPM	1740	76.8 x 33.5 x 45.1
SGN048CBAL ^②							
SGN060CGST	60	Natural gas	Steel	2.4 L	3600 RPM	1539	77 x 34 x 46
SGN060CPST		Liquid propane					
SGN060CGAT		Natural gas	Aluminum	2.4 L	3600 RPM	1422	
SGN060CPAT		Liquid propane					
SGN070CGAL	70	Natural gas	Aluminum	6.8 L	1800 RPM	2040	97 x 37 x 47
SGN070CPAL		Liquid propane					
SGN070CGALE ^②		Natural gas	Aluminum	6.8 L	1800 RPM	2040	
SGN070CPALE ^②		Liquid propane					
SGN080CGA	80	Natural gas	Aluminum	4.6 L	3600 RPM	1836	116 x 37 x 55
SGN080CPA		Liquid propane					
SGN100CGALE	100 ^②	Natural gas	Aluminum	6.8 L	2300 RPM	2531	116 x 37 x 55
SGN100CPALE		Liquid propane					
SGN130CGAE	130 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2699	116 x 37 x 55
SGN130CPAE		Liquid propane					
SGN150CGAE	150 ^①	Natural gas	Aluminum	6.8 L	3600 RPM	2492	116 x 37 x 55
SGN150CPAE		Liquid propane					

Compatible transfer switches

SL100C
SL200C
SL400C
SL600C
SL800C

- ^① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.
^② Catalyst factory Installed to meet CARB/EPA requirements for California and Massachusetts.
^③ Battery not included on liquid cooled models 22-60kW. Refer to page 18-20 for 26R battery.

Standby Power Systems

Liquid Cooled Standby Generators

1800, 2300 and 3600 RPM, 120/240V 3-phase



Catalog Number	kW Rating ^①	Fuel	Enclosure	Engine Size	Speed	Weight (lbs.)	Dimensions (in.)
SGN022JBAL	22	Both ^①	Aluminum	2.4 L	1800 RPM	843	62.2 x 29 x 33.5
SGN025JBS	25	Both ^①	Steel	1.5 L	3600 RPM	875	62.2 x 29 x 33.5
SGN027JBAL	27	Both ^①	Aluminum	2.4 L	1800 RPM	891	62.2 x 29 x 33.5
SGN030JBS	30	Both ^①	Steel	1.5 L	3600 RPM	935	62.2 x 29 x 33.5
SGN036JBAL	36	Both ^①	Aluminum	2.4 L	1800 RPM	1271	76.8 x 33.5 x 45.1
SGN045JBS	45	Both ^①	Steel	2.4 L	3600 RPM	1414	76.8 x 33.5 x 45.1
SGN045JBSE ^②							
SGN048JBAL	48	Both ^①	Aluminum	5.4 L	1800 RPM	1740	76.8 x 33.5 x 45.1
SGN048JBALE ^②							
SGN060JGST	60	Natural gas	Steel	2.4 L	3600 RPM	1539	77 x 34 x 46
SGN060JPST		Liquid propane					
SGN060JGAT		Natural gas	Aluminum	2.4 L	3600 RPM	1422	
SGN060JPAT		Liquid propane					
SGN070JGAL	70	Natural gas	Aluminum	6.8 L	1800 RPM	2040	97 x 37 x 47
SGN070JPAL		Liquid propane					
SGN070JGALE ^②		Natural gas	Aluminum	6.8 L	1800 RPM	2040	
SGN070JPALE ^②		Liquid propane					
SGN080JGA	80	Natural gas	Aluminum	4.6 L	3600 RPM	1836	116 x 37 x 55
SGN080JPA		Liquid propane					
SGN100JGALE	100 ^②	Natural gas	Aluminum	6.8 L	2300 RPM	2531	116 x 37 x 55
SGN100JPALE		Liquid propane					
SGN130JGAE	130 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2699	116 x 37 x 55
SGN130JPAE		Liquid propane					
SGN150JGAE	150 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2492	116 x 37 x 55
SGN150JPAE		Liquid propane					

Compatible transfer switches

SL100J
SL200J
SL400J
SL600J
SL800J

^① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.

^② Catalyst factory Installed to meet CARB/EPA requirements for California and Massachusetts.

^③ Battery not included on liquid cooled models 22-60kW. Refer to page 18-20 for 26R battery.

Standby Power Systems

Liquid Cooled Standby Generators

1800, 2300, and 3600 RPM, 277/480V 3-phase



Catalog Number	kW Rating ^③	Fuel	Enclosure	Engine Size	Speed	Weight (lbs.)	Dimensions (in.)
SGN036IBAL	36	Both ^①	Aluminum	2.4 L	1800 RPM	1271	76.8 x 33.5 x 45.1
SGN045IBS	45	Both ^①	Steel		3600 RPM	1414	76.8 x 33.5 x 45.1
SGN045IBSE ^②							
SGN048IBAL	48	Both ^①	Aluminum	5.4 L	1800 RPM	1360	76.8 x 33.5 x 45.1
SGN048IBALE ^②							
SGN060IGST	60	Natural gas	Steel	2.4 L	3600 RPM	1740	77 x 34 x 46
SGN060IPST		Liquid propane					
SGN060IGAT		Natural gas	Aluminum	2.4 L	3600 RPM	1422	
SGN060IPAT		Liquid propane					
SGN070IGAL	70	Natural gas	Aluminum	6.8 L	1800 RPM	2040	97 x 37 x 47
SGN070IPAL		Liquid propane					
SGN070IGALE ^②		Natural gas	Aluminum	6.8 L	1800 RPM	2040	
SGN070IPALE ^②		Liquid propane					
SGN080IGA	80	Natural gas	Aluminum	4.6 L	3600 RPM	1836	116 x 37 x 55
SGN080IPA		Liquid propane					
SGN100IGALE	100 ^②	Natural gas	Aluminum	6.8 L	2300 RPM	2531	116 x 37 x 55
SGN100IPALE		Liquid propane					
SGN130IGAE	130 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2699	116 x 37 x 55
SGN130IPAE		Liquid propane					
SGN150IGAE	150 ^②	Natural gas	Aluminum	6.8 L	3600 RPM	2492	116 x 37 x 55
SGN150IPAE		Liquid propane					

Compatible transfer switches

SL100I
SL200I
SL400I
SL600I
SL800I

- ① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.
 ② Catalyst factory installed to meet CARB/EPA requirements for California and Massachusetts.
 ③ Battery not included on liquid cooled models 22-60kW. Refer to page 18-20 for 26R battery.

Standby Power Systems

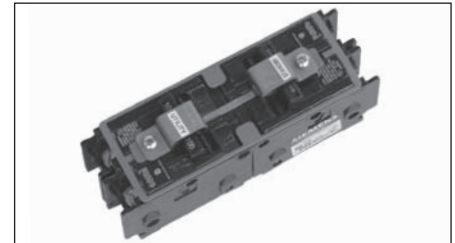
Portable Generators

5.5, 6.5, 7.5, 8, 15, 17.5 kW



Features and ratings

- Ideal for residential emergency and job-site power
- Gasoline powered, OHV engine
- Include handles and wheels for easy movement
- Hour meter included
- Large variety of outlets
- Low noise muffler
- 2 year warranty
- Easily integrated into home electrical systems with Siemens breaker interlock kits (pictured below)



	PG0055	PG0065	PG0075E	PG0080E ^①	PG015	PG017
Rated Power	5.5 kW	6.5 kW	7.5 kW	8 kW	15 kW	17.5 kW
Surge	6.875 kW	8 kW	9.37 kW	10 kW	22.5 kW	26.2 kW
Rated Amps @ 60Hz 120/240, 1Ø, 1.0 pf	22.9	27.1	31.2	33.3	62.5	73
Engine RPM	3600	3600	3600	3600	3600	3600
Fuel Capacity (gallons)	6.6	6.6	8	8	16	16
Dimensions (inches)	34 x 26.5 x 27.5	34 x 27 x 28	28.75x 26.75 x26	34 x 27 x 28	39 x 31 x 49	39 x 31 x 49
Weight(lbs)	180	172	201	192	450	475

① Manual Electric Starter

Portable Accessories:

- 5715 - Lifting Beam Kit; 6.5 kW & 8.0 kW

Refer to page 18-18 for Portable Maintenance Kits