17/20kW

GENERAC[®]

GUARDIAN® SERIES Residential Standby Generators Air-Cooled Gas Engine

INCLUDES:

- True Power[™] Electrical Technology
- Two Line LCD Multi-Lingual Digital Evolution™ Controller (English/Spanish/ French/Portuguese)
- Two Transfer Switch Options Available: 100 Amp Pre-Wired Switch or 200 Amp Smart Switch. See Page 4 for Details.
- Electronic Governor
- External Main Circuit Breaker. System Status & Maintenance Interval LED Indicators
- Sound Attenuated Enclosure
- Flexible Fuel Line Connector
- Composite Mounting Pad
- Natural Gas or LP Gas Operation
- 5 Year Limited Warranty
- UL 2200 Listed

Standby Power Rating

Models 006242-0, 006248-0 (Steel - Bisque) - 17 kW 60Hz Models 006243-0, 006249-0 (Aluminum - Grav) - 17 kW 60Hz Models 006244-0, 006250-0 (Aluminum - Gray) - 20 kW 60Hz





*Note: CUL certification only applies to unbundled units and units packaged with pre-wired switches. Units packaged with the Smart Switch are UL certified in the USA only.

FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- TRUE POWER™ ELECTRICAL TECHNOLOGY: Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- TEST CRITERIA:
 - ✓ PROTOTYPE TESTED
 - ✓ SYSTEM TORSIONAL TESTED
- NEMA MG1-22 EVALUATION
- MOTOR STARTING ABILITY

SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.

This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at $\pm 1\%$.

- SINGLE SOURCE SERVICE RESPONSE from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- GENERAC TRANSFER SWITCHES. Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility.







features and benefits

Engine

17/20kW

Generac (OHVI) design
 Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings helps the engine run cooler, reducing oil consumption resulting in longer engine life.
 "Spiny-lok" cast iron cylinder walls
 Rigid construction and added durability provide long engine life.

"Spiny-lok" cast iron cylinder walls
 Electronic ignition/spark advance
 Rigid construction and added durability provide long engine life.
 These features combine to assure smooth, quick starting every time.

• Full pressure lubrication system Pressurized lubrication to all vital bearings means better performance, less maintenance and longer engine life.

Now featuring up to a 2 year/200 hour oil change interval.

•Low oil pressure shutdown system Superior shutdown protection prevents catastrophic engine damage due to low oil.

• High temperature shutdown Prevents damage due to overheating.

Generator

• Revolving field Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.

Skewed stator
 Produces a smooth output waveform for compatibility with electronic equipment.

Displaced phase excitation
 Maximizes motor starting capability.

Automatic voltage regulation
 Regulates the output voltage to ±1% prevents damaging voltage spikes.

• UL 2200 listed For your safety.

Transfer Switch

Fully automatic
 Transfers your vital electrical loads to the energized source of power.

 Pre-wired, color-coded conduits (Pre-wired switches only) Ensures the easiest, trouble-free installation.

• DPM Technology (Smart Switch only) Digital Power Management Technology allows for the smart control of two air conditioners without any additional

items.

• Remote mounting Mounts near your existing distribution panel for simple, low-cost

Evolution™ Controls

• Auto/Manual/Off illuminated buttons Selects the operating mode and provides easy, at-a-glance status indication in any condition.

Sealed, raised buttons
 Smooth, weather-resistant user interface for programming and operations.

Utility voltage sensing
 Constantly monitors utility voltage, setpoints 60% dropout, 80% pick-up, of standard voltage.
 Generator voltage sensing
 Constantly monitors generator voltage to ensure the cleanest power delivered to the home.

• Utility interrupt delay Prevents nuisance start-ups of the engine, adjustable 2-1500 seconds from the factory default setting of 10

seconds by a qualified dealer.

• Engine warm-up Ensures engine is ready to assume the load, setpoint approximately 5 seconds.

• Engine cool-down Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Programmable seven day exerciser
 Operates engine to prevent oil seal drying and damage between power outages by running the generator for 12

minutes every week.

• Smart battery charger Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature.

Main line circuit breaker
 Electronic governor
 Maintains constant 60 Hz frequency.

Unit

• Weather protective enclosure Ensures protection against mother nature. Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability.

• Enclosed critical grade muffler Quiet, critical grade muffler is mounted inside the unit to prevent injuries.

• Small, compact, attractive Makes for an easy, eye appealing installation.

• SAE Sound attenuated enclosure ensures quiet operation.

Installation System

•1' flexible fuel line connector

Easy installation.

Composite mounting pad

3 of 5

GENERAC®

specifications 17/20kW

^	^		

Generator		
Model	006242-0, 006243-0, 006248-0, 006249-0 (17 kW)	006244-0, 006250-0 (20kW)
Rated Maximum Continuous Power Capacity (LP)	17,000 Watts*	20,000 Watts*
Rated Maximum Continuous Power Capacity (NG)	16,000 Watts*	18,000 Watts*
Rated Voltage	240	240
Rated Maximum Continuous Load Current – 240 Volts (LP/NG)	70.8/66.6	83.3/75
Total Harmonic Distortion	Less than 5%	Less than 5%
Main Line Circuit Breaker	65 Amp	90 Amp
Phase	1	1
Number of Rotor Poles	2	2
Rated AC Frequency	60Hz	60Hz
Power Factor	1.0	1.0
Battery Requirement (not included)	Group 26R, 12 Volts and 52	5 CCA Minimum
Unit Weight (Pounds/Kilos)	471/213.6 (Steel); 437/198.2 (Aluminum)	451/204.6
Dimensions (L x W x H) in./mm	48 x 25 x 29/1218 x	638 x 732
Sound output in dB(A) at 23 ft. with generator operating at normal load	66	66
Sound output in dB(A) at 23 ft. with generator in Quiet-Test™ low-speed exercise mode	60	60

Engine

Liigiiic		
Type of Engine	GENERAC OHVI V-TWIN	GENERAC OHVI V-TWIN
Number of Cylinders	2	2
Displacement	992cc	999cc
Cylinder Block	Aluminum w/Cast Iron Sleeve	Aluminum w/Cast Iron Sleeve
Valve Arrangement	Overhead Valve	Overhead Valve
Ignition System	Solid-state w/Magneto	Solid-state w/Magneto
Governor System	Electronic	Electronic
Compression Ratio	9.5:1	9.5:1
Starter	12 Vdc	12 Vdc
Oil Capacity Including Filter	Approx. 1.9 Qts./1.8L	Approx. 1.9 Qts./1.8L
Operating RPM	3,600	3,600
Fuel Consumption		
Natural Gas ft ³ /hr.		
1/2 Load	190.5	201.8
Full Load	307.9	303.4
Liquid Propane ft ³ /hr (gal/hr) [Liters/hr]		
1/2 Load	72.2 (2.06) [7.5]	75.0 (2.14) [7.8]
Full Load	129.4 (3.7) [13.4]	139.5 (3.99) [14.5]

Note: **Fuel pipe must be sized for full load.** Required fuel pressure to generator fuel inlet at all load ranges - 3.5 to 7 inches of water column for natural gas, 10 to 12 inches of water column for LP gas For Btu content, multiply ft³/hr x 2520 (LP) or ft³/hr x 1000 (NG)

Controls

Mode Buttons: Auto Automatic Start on Utility failure. 7 day exerciser. Manual Start with starter control, unit stays on. If utility failure. 7 day exerciser. Programmable start delay between 2-1500 seconds Standard Engine Run Hours Indication Standard Programmable start delay between 2-1500 seconds Standard (programmable by dealer only) Utility Voltage Loss/Return to Utility Adjustable From 140-171V/190-216V Puture Set Capable Exerciser/Exercises Set Error Warning Standard Run/Alarm/Maintenance Logs 50 Events Each Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter cannot re-engage until 5 sec. after engine has stopped. Starter Jult/Missing AC Warning Standard Low Battery/Battery Problem Protection and Battery Condition Indication Standard Automatic Voltage Regulation with Over and Under Voltage Protection Standard Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard Internal Fault/Incorrect Wiring Protection Standard Internal Fault/Incorrect Wiring Protection Standard Field Upgradable Firmware Standard Field Upgradable Firmware Standard Field Upgradable Firmware Standard Field Upgradable Firmware Standard Standard Field Upgradable Firmware	2-Line Plain Text Multi-Lingual LCD Display	Simple user interface for ease of operation.		
Ready to Run/Maintenance Messages Engine Run Hours Indication Programmable start delay between 2-1500 seconds Utility Voltage Loss/Return to Utility Adjustable From 140-171V/190-216V Future Set Capable Exerciser/Exercise Set Error Warning Run/Alarm/Maintenance Logs Standard Run/Alarm/Maintenance Logs Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter Lock-out Standard Charger Fault/Missing AC Warning Low Battery/Battery Problem Protection and Battery Condition Indication Automatic Voltage Regulation with Over and Under Voltage Protection Safey Fused/Fu	Mode Buttons: Auto	Automatic Start on Utility failure. 7 day exerciser.		
Ready to Run/Maintenance MessagesStandardEngine Run Hours IndicationStandardProgrammable start delay between 2-1500 secondsStandard (programmable by dealer only)Utility Voltage Loss/Return to Utility AdjustableFrom 140-171V/190-216VFuture Set Capable Exerciser/Exercise Set Error WarningStandardRun/Alarm/Maintenance Logs50 Events EachEngine Start SequenceCyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration).Starter Lock-outStarter cannot re-engage until 5 sec. after engine has stopped.Smart Battery ChargerStandardCharger Fault/Missing AC WarningStandardLow Battery/Battery Problem Protection and Battery Condition IndicationStandardAutomatic Voltage Regulation with Over and Under Voltage ProtectionStandardUnder-Frequency/Overload/Stepper Overcurrent ProtectionStandardJunder-Frequency/Overload/Stepper Overcurrent ProtectionStandardAutomatic Low Oil Pressure/High Oil Temperature ShutdownStandardOvercrank/Overspeed (@ 72Hz)/RPM Sense Loss ShutdownStandardHigh Engine Temperature ShutdownStandardInternal Fault/Incorrect Wiring ProtectionStandardCommon External Fault CapabilityStandard	Manual	Start with starter control, unit stays on. If utility fails, transfer to load takes place.		
Engine Run Hours Indication Standard Programmable start delay between 2-1500 seconds Standard (programmable by dealer only) Utility Voltage Loss/Return to Utility Adjustable From 140-171V/190-216V Future Set Capable Exerciser/Exercise Set Error Warning Standard Run/Alarm/Maintenance Logs Standard Run/Alarm/Maintenance Logs Steepence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter cannot re-engage until 5 sec. after engine has stopped. Smart Battery Charger Standard Charger Fault/Missing AC Warning Standard Low Battery/Battery Problem Protection and Battery Condition Indication Standard Automatic Voltage Regulation with Over and Under Voltage Protection Standard Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 7247)/RPM Sense Loss Shutdown High Engine Temperature Shutdown Standard Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Off	Stops unit. Power is removed. Control and charger still operate.		
Programmable start delay between 2-1500 secondsStandard (programmable by dealer only)Utility Voltage Loss/Return to Utility AdjustableFrom 140-171V/190-216VFuture Set Capable Exerciser/Exercise Set Error WarningStandardRun/Alarm/Maintenance Logs50 Events EachEngine Start SequenceCyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration).Starter Lock-outStarter cannot re-engage until 5 sec. after engine has stopped.Smart Battery ChargerStandardCharger Fault/Missing AC WarningStandardLow Battery/Battery Problem Protection and Battery Condition IndicationStandardAutomatic Voltage Regulation with Over and Under Voltage ProtectionStandardUnder-Frequency/Overload/Stepper Overcurrent ProtectionStandardSafety Fused/Fuse Problem ProtectionStandardAutomatic Low Oil Pressure/High Oil Temperature ShutdownStandardHigh Engine Temperature ShutdownStandardInternal Fault/Incorrect Wiring ProtectionStandardCommon External Fault CapabilityStandard	Ready to Run/Maintenance Messages	Standard		
Utility Voltage Loss/Return to Utility Adjustable From 140-171V/190-216V Future Set Capable Exerciser/Exercise Set Error Warning Standard Run/Alarm/Maintenance Logs 50 Events Each Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter cannot re-engage until 5 sec. after engine has stopped. Smart Battery Charger Standard Charger Fault/Missing AC Warning Standard Low Battery/Battery Problem Protection and Battery Condition Indication Standard Automatic Voltage Regulation with Over and Under Voltage Protection Standard Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Standard Common External Fault/Capability Standard Common External Fault Capability	Engine Run Hours Indication	Standard		
Future Set Capable Exerciser/Exercise Set Error Warning Run/Alarm/Maintenance Logs 50 Events Each Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter Lock-out Smart Battery Charger Standard Charger Fault/Missing AC Warning Low Battery/Potlem Protection and Battery Condition Indication Automatic Voltage Regulation with Over and Under Voltage Protection Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Programmable start delay between 2-1500 seconds	Standard (programmable by dealer only)		
Run/Alarm/Maintenance Logs 50 Events Each Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter cannot re-engage until 5 sec. after engine has stopped. Smart Battery Charger Standard Charger Fault/Missing AC Warning Standard Low Battery/Battery Problem Protection and Battery Condition Indication Standard Automatic Voltage Regulation with Over and Under Voltage Protection Standard Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Standard Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Utility Voltage Loss/Return to Utility Adjustable	From 140-171V/190-216V		
Engine Start Sequence Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration). Starter Lock-out Starter cannot re-engage until 5 sec. after engine has stopped. Smart Battery Charger Standard Charger Fault/Missing AC Warning Standard Low Battery/Battery Problem Protection and Battery Condition Indication Standard Automatic Voltage Regulation with Over and Under Voltage Protection Standard Under-Frequency/Overload/Stepper Overcurrent Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Standard Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Future Set Capable Exerciser/Exercise Set Error Warning	Standard		
Starter Lock-out Smart Battery Charger Standard Charger Fault/Missing AC Warning Low Battery/Battery Problem Protection and Battery Condition Indication Automatic Voltage Regulation with Over and Under Voltage Protection Under-Frequency/Overload/Stepper Overcurrent Protection Standard Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Run/Alarm/Maintenance Logs	50 Events Each		
Smart Battery Charger Charger Fault/Missing AC Warning Low Battery/Battery Problem Protection and Battery Condition Indication Automatic Voltage Regulation with Over and Under Voltage Protection Under-Frequency/Overload/Stepper Overcurrent Protection Standard Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Engine Start Sequence	Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration).		
Charger Fault/Missing AC Warning Low Battery/Battery Problem Protection and Battery Condition Indication Automatic Voltage Regulation with Over and Under Voltage Protection Under-Frequency/Overload/Stepper Overcurrent Protection Standard Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Standard Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Starter Lock-out	Starter cannot re-engage until 5 sec. after engine has stopped.		
Low Battery/Battery Problem Protection and Battery Condition IndicationStandardAutomatic Voltage Regulation with Over and Under Voltage ProtectionStandardUnder-Frequency/Overload/Stepper Overcurrent ProtectionStandardSafety Fused/Fuse Problem ProtectionStandardAutomatic Low Oil Pressure/High Oil Temperature ShutdownStandardOvercrank/Overspeed (@ 72Hz)/RPM Sense Loss ShutdownStandardHigh Engine Temperature ShutdownStandardInternal Fault/Incorrect Wiring ProtectionStandardCommon External Fault CapabilityStandard	Smart Battery Charger	Standard		
Automatic Voltage Regulation with Over and Under Voltage Protection Under-Frequency/Overload/Stepper Overcurrent Protection Standard Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard Standard	Charger Fault/Missing AC Warning	Standard		
Under-Frequency/Overload/Stepper Overcurrent Protection Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Common External Fault Capability Standard Standard Standard Standard	Low Battery/Battery Problem Protection and Battery Condition Indication	Standard		
Safety Fused/Fuse Problem Protection Standard Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Automatic Voltage Regulation with Over and Under Voltage Protection	Standard		
Automatic Low Oil Pressure/High Oil Temperature Shutdown Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown Standard High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Under-Frequency/Overload/Stepper Overcurrent Protection	Standard		
Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown High Engine Temperature Shutdown Internal Fault/Incorrect Wiring Protection Common External Fault Capability Standard Standard Standard	Safety Fused/Fuse Problem Protection	Standard		
High Engine Temperature ShutdownStandardInternal Fault/Incorrect Wiring ProtectionStandardCommon External Fault CapabilityStandard	Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard		
Internal Fault/Incorrect Wiring Protection Standard Common External Fault Capability Standard	Overcrank/Overspeed (@ 72Hz)/RPM Sense Loss Shutdown	Standard		
Common External Fault Capability Standard	High Engine Temperature Shutdown	Standard		
· <i>,</i>	Internal Fault/Incorrect Wiring Protection	Standard		
Field Upgradable Firmware Standard	Common External Fault Capability	Standard		
	Field Upgradable Firmware	Standard		

Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). * Maximum wattage and current are subject to and limited by such factors as fuel Btu content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet above sea level; and also will decrease about 1 percent for each 6° C (10° F) above 16° C (60°F). Sound output ratings from certain points on the generator subject to change based on installation parameters.



switch options

Pre-wired Features available on 17kW model only

17/20kW

- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2 pole, 250 VAC contactors.
- 30 millisecond transfer time.
- · Dual coil design.
- · Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA 1 (indoor rated) enclosure is standard on the pre-wired switch.
- Pre-wired 30 foot (9.1 meter) whip to connect to the provided 5 foot prewired whip and external connection box.
- Pre-wired 2 foot (0.61 meter) whip, color coded to connect into the existing electrical panel.

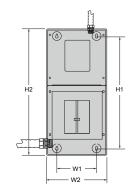
Model	006242-0 (17kW)		
No. of Poles	2		
Current Rating (Amps)	100		
Voltage Rating (VAC)	120/240, 1Ø		
Utility Voltage Monitor (Fixed)*			
-Pick-up	80%		
-Dropout	60%		
Return to Utility*	approx. 15 sec.		
Exercise weekly for 12 minutes*	Standard		
UL Listed	Standard		
Total of Pre-wired Circuits	16		
No. 15A 120V	5		
No. 20A 120V	5		
No. 20A 240V	1		
No. 30A 240V	-		
No. 40A 240V	1		
No. 50A 240V	1		
Circuit Breaker Protected			
Available RMS Symmetrical			
Fault Current @ 250 Volts	10.000		

^{*}Function of Evolution Controller

Dimensions

Mechanical Dimensions						
Amno	Height		Width		Donth	
Amps	H1	H2	W1	W2	Depth	
100	23.5 in	26.4 in	8.3 in	12.6 in	6.3	
	597mm	671.7mm	211mm	320.7mm	159.6mm	

Wire Ranges			
Amps	Conductor Lug	Neutral Lug	Ground Lug
100	2/0 - #14	2/0 - #14	2/0 - #14



Smart Switch Features

- Includes Digital Power Management Technology standard (DPM).
- · Intelligently manages two air conditioner loads with no additional hardware.
- Up to four more large (240V) loads can be managed when used in conjunction with Power Management Modules (PMM**).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2 pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- · Rated for both aluminum and copper conductors.
- NEMA/UL 3R aluminum outdoor enclosure.
- · Main contacts are silver plated or silver alloy to resist welding and sticking.
- **Note: PMM starter kit is required prior to using the modules.

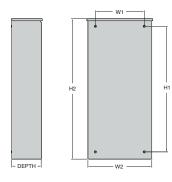
Dimensions

	200 Amps 120/240, 1ø				
		Open Transition Service Rated			
	Height		Width		Depth
	H1	H2	W1	W2	рерш
Inches	27.24	30.0	11.4	13.5	7.09
mm	692.0	762.4	289.0	343.0	180.0

Model 006243-0 (17kW)/006244-0 (20kW)

No. of Poles	2
Current Rating (Amps)	200
Voltage Rating (VAC)	120/240, 1Ø
Utility Voltage Monitor (Fixed)*	
-Pick-up	80%
-Dropout	60%
Return to Utility*	approx. 13 sec.
Exercise weekly for 12 minutes*	Standard
UL Listed	Standard
Enclosure Type	NEMA/UL 3R
Withstand Rating (Amps)	10,000
Lug Range	250MCM - #6

*Function of Evolution Controller





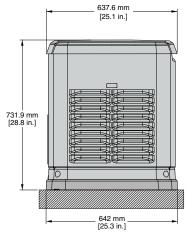
available accessories

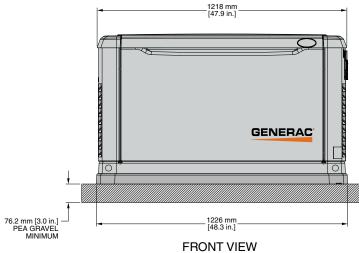
Model #	Product	Description
5819	26R Wet Cell Battery	Every standby generator requires a battery to start the system. Generac offers the recommended 26R wet cell battery for use with all air-cooled standby product.
6212	Cold Weather Kit	If the temperature regularly falls below 32°F (0°C), install a cold weather kit to maintain optimal battery and oil temperatures. Kit consists of a battery warmer and oil filter heater with built-in thermostats.
5621	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load you may not need. Not compatible with 50 amp pre-wired switches.
5839 - Bisque 5666 - Gray	Fascia Base Wrap Kit* (Standard on 20kW)	The fascia base wrap snaps together around the bottom of the new air cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.
5703 - Bisque 5704 - Gray	Paint Kit*	If the generator enclosure is scratched or damaged, it is important to touch-up the paint to protect from future corrosion. The paint kit includes the necessary paint to properly maintain or touch-up a generator enclosure.
6484 - 17kW 6485 - 20kW	Scheduled Maintenance Kit	Generac's scheduled maintenance kits provide all the hardware necessary to perform complete routine maintenance on a Generac automatic standby generator.
5928	Wireless Remote	Completely wireless and battery powered, Generac's wireless remote monitor provides you with instant status information without ever leaving the house. Not compatible with CorePower or EcoGen systems.
5951	Advanced Wireless Remote	Remotely control generator functions with the advanced model's LCD display. In addition to remote testing of the generator, set the excercise cycle and maintenance interval reminders. Not compatible with CorePower or EcoGen systems.
6199	PMM Starter Kit	The PMM Starter Kit consists of a 24V, field installed transformer that enables the use of the 24V Power Management Modules (PMMs). This kit includes one PMM. The standard controller (without starter kit) can control two HVAC loads with no additional hardware.
6186	Power Management Module (50 Amps)	Power Management Modules are used in conjunction with the Smart Switch to increase its power management capabilities. It gives the Smart Switch additional power management flexibility not found in any other transfer switch. Not compatible with pre-wired switches.
6463	Mobile Link™ Device	Generac's Mobile Link device allows you to check the status of your generator from anywhere that you have access to an Internet connection from a PC or with any smart device. You will even be notified when a change in the generator's status occurs via e-mail or text message.

^{*} Note: Bisque kits are used in conjunction with steel enclosures. Gray kits are used in conjunction with aluminum enclosures.

dimensions

Dimensions shown are approximate. Contact your Generac dealer for certified drawings. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.





LEFT SIDE VIEW





17/20kW