



**STANDBY
GENERATORS**

SYNERGY ELECTRIC INC. 48kW¹ STANDBY GENERATOR



BRIGGS & STRATTON® THE SMART CHOICE

Durable backup power for businesses and luxury homes. Help eliminate losses from power outages with a Briggs & Stratton® Commercial Standby Generator.



Corrosion Resistant Aluminum Enclosure

- Durable enclosures are built to last, protecting against extreme weather conditions and corrosion

Easy to Service

- Convenient internal swing open doors allow you to easily access the engine; no more taking apart the bolted finger guards, saving you precious time and the hassle of disassembly

Quality Clean Power

- Ensures your electronics are safely powered

Durable Industrial Engine

- Found in industrial applications, the premium industrial 1,800 RPM engine provides strong, reliable power without giving up quiet operation or durability

Custom Built Options

- A complete line of standby generators for commercial applications with multiple voltage configurations and controller options

NFPA 110 Capable

- Suitable for NFPA 110 applications when installed with required NFPA 110 accessories and installation methods



GENERATOR SET RATINGS

MODEL	VOLTAGE	POWER FACTOR	PHASE	HZ	BREAKER	LIQUID PROPANE		NATURAL GAS		CONTROLLER
						LP KW ¹	LP AMPS	NG KW ¹	NG AMPS	
Briggs & Stratton 076350	120/240	1	1	60	200	48	200	45	188	Briggs & Stratton
Briggs & Stratton 076151	120/208	0.8	3	60	200	48	167	45	156	InteliNano
Briggs & Stratton 076153	120/240	0.8	3	60	175	48	145	45	135	InteliNano
Briggs & Stratton 076155	277/480	0.8	3	60	90	48	72	45	68	InteliNano
Briggs & Stratton 076351	120/208	0.8	3	60	200	48	167	45	156	InteliLite
Briggs & Stratton 076353	120/240	0.8	3	60	175	48	145	45	135	InteliLite
Briggs & Stratton 076355	277/480	0.8	3	60	90	48	72	45	68	InteliLite

¹ This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

² Warranty details available at www.briggsandstratton.com



ENGINE SPECIFICATIONS

ENGINE	
Engine Model	4.3L Industrial Powertrain
Engine Type	6 Cylinder, 4-Cycle
Engine Speed (RPM)	1800
Engine Fuel	Liquid Propane Vapor (LPV) or Natural Gas (NG)
Induction System	Naturally Aspirated
Air Filter Type	Dry
Displacement (ltr / cc)	4.3 / 4294
Freq Reg NL to FL	Isochronous
Block Heater	Included
Governor Type	Electronic
Frequency Regulation	+ / -.5%
Starter Motor Rated Voltage	12 Volt
Battery (volts dc / cca)	12 Volt / 775

ENGINE OUTPUT DERATINGS - STANDBY

Rated Temp	104°F / 40°C
Rated Altitude	Sea Level
Max Altitude	15,000 ft
Temperature Derate	1% for each 10°F (5.6°C) above rated temp
Altitude Derate	3% / 1000 ft

LUBRICATION	
Oil Capacity (qts / ltrs)	4.5 / 4.3
Oil Capacity with Filter (qts / ltr)	5.0 / 4.7
Oil Filter (quantity / type)	1 / Spin-on
Lubrication System	Full Pressure
Recommended Oil	API GF-4 10W30

ALTERNATOR SPECS

Type	4-Pole, Rotating Field
Voltage Regulator	Solid State, Volts / Hz
Insulation (rating)	Class H
Designed Temperature Rise Limit	125°C
Bearing (quantity / type)	1 / Sealed
Voltage Reg NL to FL	+ / -1.0%
Frequency Compensation	8V / Hz Voltage Drop Below 55 Hz

ENGINE FUEL SYSTEM SPECIFICATIONS

Recommended Fuel	
LP min LHV (btu / ft ³)	2260
NG min LHV (btu / ft ³)	890
Fuel Supply Pressure (in-H ₂ O)	7-11 (at full load)
Fuel Supply Line at Engine (npt)	1"

OPERATIONS

FUEL CONSUMPTION³

	50% Load		100% Load	
	Liquid Propane	125 ft ³ / hr	3.4 gal / hr	202 ft ³ / hr
Natural Gas	298 ft ³ / hr	298,000 btu / hr	471 ft ³ / hr	471,000 btu / hr

**SOUND RATING
AT 7 METERS PER ISO 3744**

67 dBA

Lowest measurement of 12 microphones around generator. Sound level measurement at other locations around generator may be different depending upon installation configuration.

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³ Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors.



ADDITIONAL INFORMATION

OTHER FEATURES

Enclosure Material Corrosion-Resistant Aluminum

WEIGHT AND DIMENSIONS

Assembled Weight (lbs / kg) 1635 / 740

Overall Dimensions (in) 91 x 39.4 x 41

Packaged Weight (lbs) 2035 / 925

Packaged Dimensions (in) 104 x 51 x 48

BATTERY CHARGERS FOR INTELINANO/INTELILITE

Standard 6279

NFPA 110 6339

CERTIFICATION

CARB Compliant Yes

UL Listed to 2200 Yes

cUL Listed to CSA 22.2 NO 100-04 Yes

NEMA Compliant Yes

EPA Certified Fuel System Yes

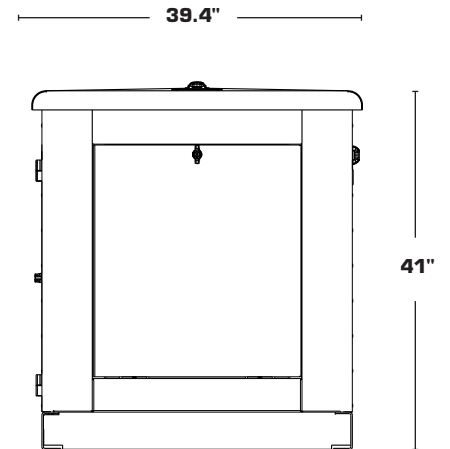
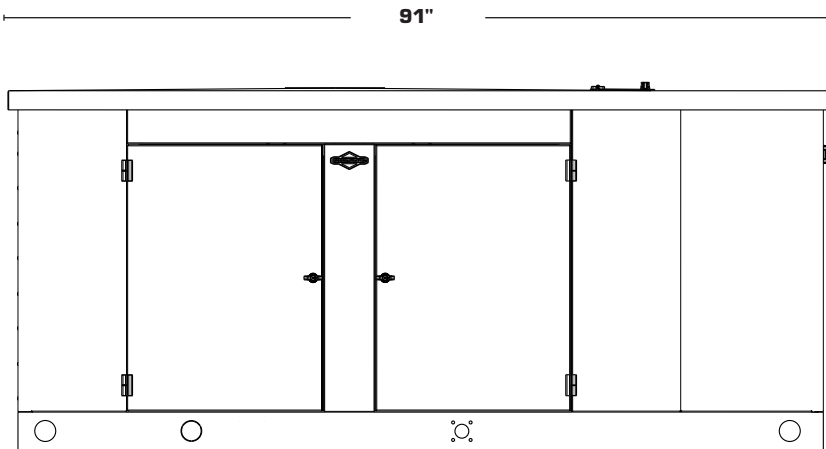
AVAILABLE ACCESSORIES

Battery Warmer 6343

Basic Wireless Monitor 6229

InfoHub 6260

Remote Status Monitor 6144



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STANDARD CONTROLLERS



Briggs & Stratton[®] Standard AMF Controller for Single Phase

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- Single-phase generator application only
- UL recognized



InteliNano (NT) Controller for 3-Phase

- 3-phase generator application only
- Large graphical display
- 3-phase voltage sensing
- "Zero" power consumption mode
- Easy installation and user-friendly operation
- 10 event history log
- USB communication interface
- Six binary inputs, three analog inputs
- Two low-current and two high-current binary outputs
- UL recognized

OPTIONAL CONTROLLERS



InteliLite (NT) Controller

- 3-phase and single-phase generator applications
- 3-phase voltage sensing
- Current sensing
- Seven binary inputs, three analog inputs
- Seven binary outputs
- Additional input/output accessories available
- Various communication modules available
- Remote control and monitoring capabilities
- UL recognized



InteliLite Accessories (sold separately)

- Remote Annunciator, NFPA 110 Compliant (6334)
- Remote Display (6353)
- IL-NT GPRS (6354)
- IB-LITE (6355)
- IL-NT RS232-485 (6356)
- IL-NT S-USB (6357)

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FUEL PIPE SIZE RECOMMENDATION CHART (CAPACITY IN THOUSANDS OF BTU/HOUR)

Natural Gas / Inlet Pressure less than 2 PSI / Pressure Drop 1/2" Water Column / Specific Gravity 0.60

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
20' Length ¹	118	247	466	957	1,430	2,760
40' Length ¹	81	170	320	657	985	1,900
60' Length ¹	65	137	257	528	791	1,520
80' Length ¹	56	117	220	452	677	1,300
100' Length ¹	50	104	195	400	600	1,160

Liquid Propane / Inlet Pressure 11" Water Column / Pressure Drop 1/2" Water Column / Specific Gravity 1.50

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
20' Length ¹	200	418	788	1,617	2,423	4,666
40' Length ¹	137	287	541	1,111	1,665	3,207
60' Length ¹	110	231	435	892	1,337	2,575
80' Length ¹	101	212	400	821	1,230	2,370
100' Length ¹	101	212	400	821	1,230	2,370

*Total length of piping from outlet of regulator to appliance furthest away.



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**CALL TODAY FOR A FREE
ON-SITE ESTIMATE!
978.537.9473**

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Disclaimer: Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations.