



BN PRODUCTS-USA, LLC.

Quality Construction Tools

BNG2800iE Parts Guide

2800 Watt-rated Gasoline Inverter Generator



The new BNG2800iE is a portable, quiet enclosed-frame Inverter with a top output of 3000 Watts. Inverters optimize fuel efficiency, offering stable electrical production that's safe for most electronics, including circuit boards found in many of today's power tools.

The compact design and enclosed case make this unit a convenient and lightweight power plant, that quietly produces stable power for your job site or recreational needs!

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BNG2800iE-parts-guide

Parts Breakdown | BNG2800iE Inverter Generator

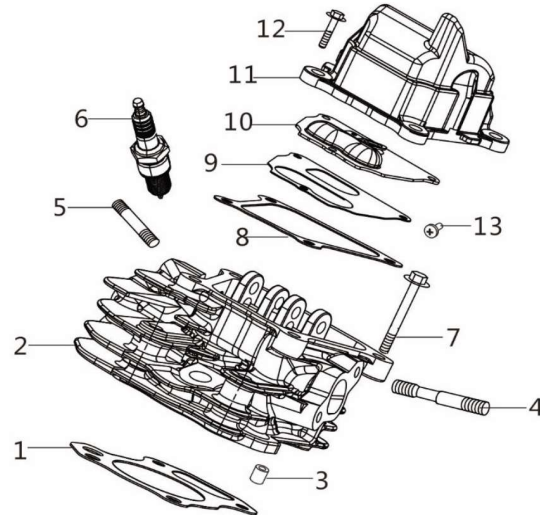
Inverter Generator Spare Parts List

Overhead Valve

(See Figure 1)

Figure 1 - Overhead Valve

Ref #	Part Number	Description	Qty
1	148.3020.001.00.00	GASKET, CYLINDER HEAD	1
2	148.0010.001.00.00	CYLINDER HEAD	1
3	188.3170.001.00.00	PIN	2
4	0900.06090.00.01	STUD	2
5	0900.06025.00.01	STUD	2
6	148.2160.001.00.00	SPARK PLUG	1
7	5789.06050.00.03	CYLINDER HEAD BOLT	1
8	148.3000.001.00.00	GASKET, COVER SUBASSEMBLY	1
9	148.3088.001.00.00	BREATHER COMBINATION GASKET	1
10	148.7061.001.00.00	BREATHER GASKET	1
11	148.0001.001.00.00	CYLINDER HEAD COVER	1
12	5789.06020.00.01	BOLT	4
13	0818.03008.00.01	CROSS RECESSED PANHEAD SCREW	1

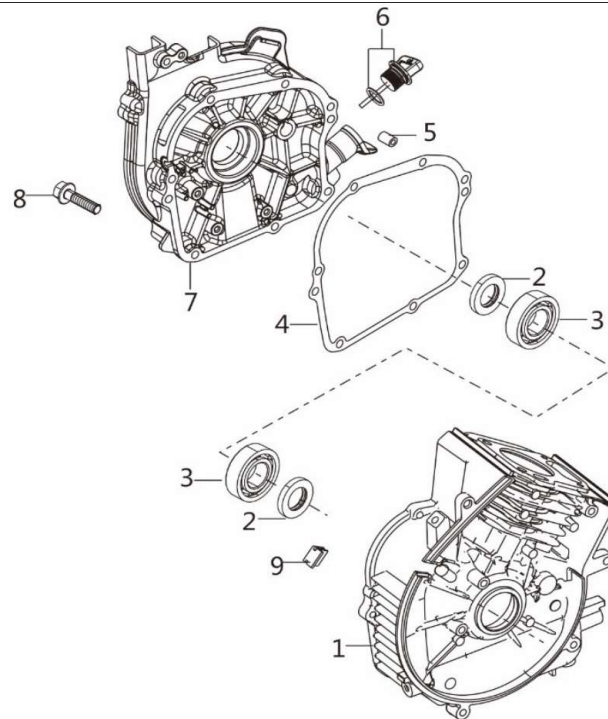


Crankcase Cover

(See Figure 2)

Figure 2 - Crankcase Cover

Ref #	Part Number	Description	Qty
1	148.1000.001.00.00	CRANKCASE SUBASSEMBLY	1
2	148.3150.001.00.00	OIL SEAL	2
3	148.0280.001.00.00	BEARING	2
4	148.3040.001.00.00	CRANKCASE GASKET	1
5	188.3170.001.00.00	PIN	2
6	168.1230.001.00.00	OIL DIPSTICK	1
7	148.1010.001.00.00	OVERHEAD ASSEMBLY	1
8	5789.06020.00.01	BOLT	7
9	148.6487.001.00.00	RUBBER PLUG	1



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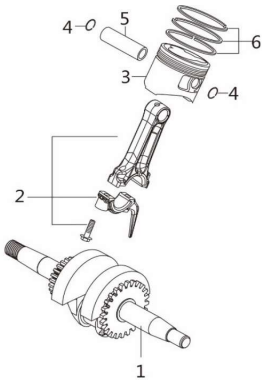
Inverter Generator Spare Parts List

Crankshaft Assembly

(See Figure 3)

Figure 3 - Crankshaft Assembly

Ref #	Part Number	Description	Qty
1	148.0180.001.00.00	CRANKSHAFT ASSY.	1
2	148.0190.001.00.00	CONNECTING ROD	1
3	148.0200.001.00.00	PISTON	1
4	148.0230.001.00.00	PISTON PIN CLIP	2
5	148.0220.001.00.00	PISTON PIN	1
6	148.0210.001.00.00	OIL RING SET	1

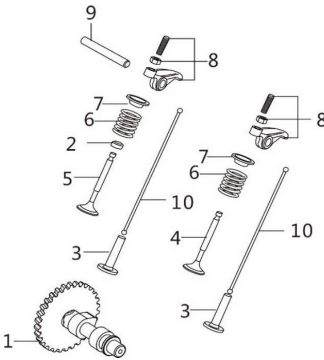


Camshaft Assembly

(See Figure 4)

Figure 4 - Camshaft Assembly

Ref #	Part Number	Description	Qty
1	148.1040.001.00.00	CAMSHAFT ASSY.	1
2	148.0085.001.00.00	OIL BAFFLE	1
3	148.1030.001.00.00	TAPPET	2
4	148.0020.001.00.00	INTAKE VALVE	1
5	148.0030.001.00.00	EXHAUST VALVE	1
6	148.0040.001.00.00	VALVE SPRING	2
7	148.0060.001.00.00	VALVE-SPRING SEAT	2
8	148.0100.001.00.00	VALVE ROCKER	2
9	148.0101.001.00.00	VALVE ROCKER SHAFT	1
10	148.0160.001.00.00	PUSHROD	2

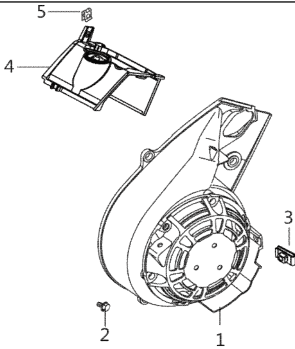


Pull Starter (Recoil)

(See Figure 5)

Figure 5 - Pull Starter (Recoil)

Ref #	Part Number	Description	Qty
1	148.2000.001.00.00	RECOIL STARTER	1
2	5789.06016.00.01	BOLT	4
3	6178.05000.00.04	NUT	1
4	148.2230.001.00.00	AIR GUIDE PLATE	1
5	148.4701.001.00.00	AIR GUIDE PLATE CLIP	1

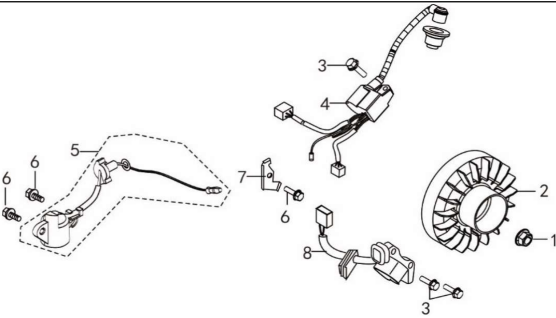


Flywheel, Impeller, Starter Pulley, Ignition Coil

(See Figure 6)

Figure 6 - Flywheel, Impeller, Starter Pulley, Ignition Coil

Ref #	Part Number	Description	Qty
1	6177.12000.05.01	FLYWHEEL NUT	1
2	148.2040.001.00.00	FLYWHEEL SUB-ASSEMBLY	1
3	5789.06020.00.01	BOLT	3
4	148.1522.001.00.00	IGNITION	1
5	148.1020.001.00.00	OIL ALERT	1
6	5789.06012.00.01	BOLT	3
7	148.2090.001.00.00	OIL ALERT PLATE	1
8	148.2050.001.00.00	IGNITION COIL	1



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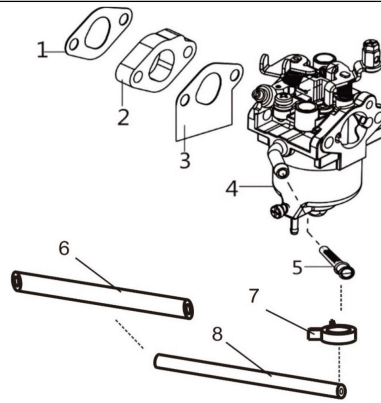
Inverter Generator Spare Parts List

Carburetor Assembly

(See Figure 7)

Figure 7 - Carburetor Assembly

Ref #	Part Number	Description	Qty
1	148.3090.001.00.00	CARBURETOR GASKET	1
2	148.2300.001.00.00	INSULATOR PLATE	1
3	148.3080.001.00.00	INSULATOR GASKET	1
4	148.2260.001.00.00	CARBURETOR ASSEMBLY	1
5	148.2610.001.00.00	CARBURETOR FILTER	1
6	467.2332.001.00.00	SILICONE COVER	1
7	458.2360.003.00.00	OIL TUBE CLAMP	1
8	168.2330.C20.00.00	CARBURETOR INLET TUBE	1

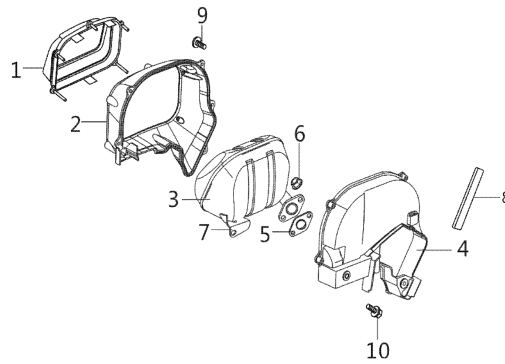


Muffler Assembly

(See Figure 8)

Figure 8 - Muffler Assembly

Ref #	Part Number	Description	Qty
1	148.5231.001.00.00	MUFFLER SHIELD COVER	1
2	148.2450.001.00.00	WIND SCOOP	1
3	148.2400.001.00.00	MUFFLER ASSEMBLY	1
4	148.2420.001.00.00	MUFFLER SHIELD	1
5	148.3100.001.00.00	EXHAUST OUTLET GASKET	1
6	6177.06000.00.01	FLANGE HEX NUT	2
7	5789.06012.00.01	FLANGE HEX BOLT	1
8	148.5232.001.00.00	RUBBER, MUFFLER SHIELD	1
9	0845.48016.00.01	CROSS GROOVE SELF-TAP SCREW	5
10	5789.06016.00.01	HEX FLANGE BOLT	2

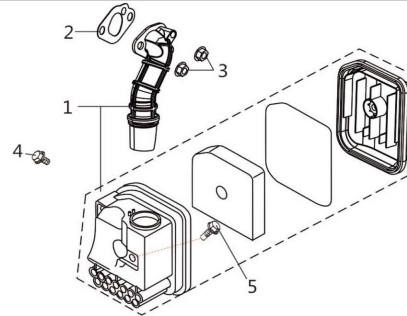


Air Cleaner

(See Figure 9)

Figure 9 - Air Cleaner

Ref #	Part Number	Description	Qty
1	148.2280.001.00.00	AIR CLEANER ASSEMBLY	1
2	148.3060.001.00.00	AIR CLEANER GASKET	1
3	6177.06000.00.01	HEX FLANGE NUT	2
4	5789.05018.00.01	HEX FLANGE BOLT	1
5	5789.06020.00.01	HEX FLANGE BOLT	1

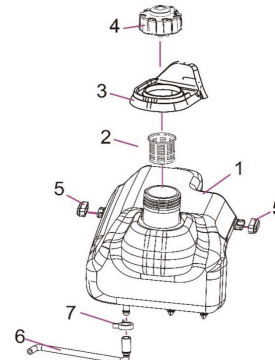


Fuel Tank

(See Figure 10)

Figure 10 - Fuel Tank

Ref #	Part Number	Description	Qty
1	467.3200.001.00.00	FUEL TANK	1
2	467.3200.001.00.02	FUEL FILTER	1
3	467.3200.001.00.03	SHEATH	1
4	467.3200.001.00.01	FUEL CAP	1
5	467.5522.003.00.00	SHEATH	2
6	148.2330.C02.00.00	OIL TUBE	1
7	458.2360.007.00.00	FERRULE	1



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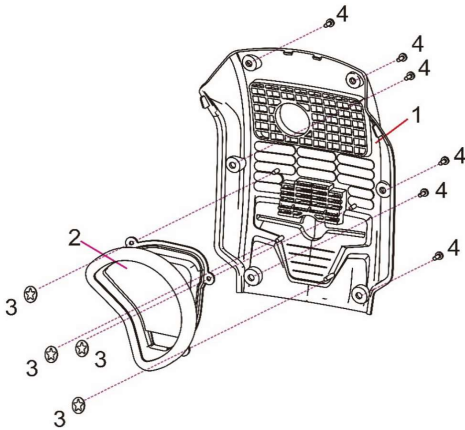
Inverter Generator Spare Parts List

Tail Cover

(See Figure 11)

Figure 11 - Tail Cover

Ref #	Part Number	Description	Qty
1	467.2435.001.04.00	TAIL COVER	1
2	467.5599.001.00.00	VENTILATION SHEATH	1
3	467.5598.001.00.00	PLUMB RING	4
4	0818.05016.00.07	CROSS-RECESSED PANHEAD SCREW	6

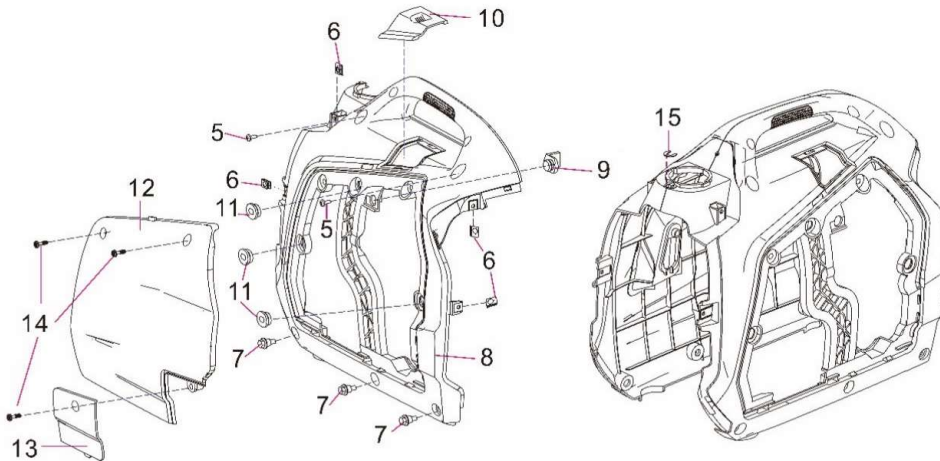
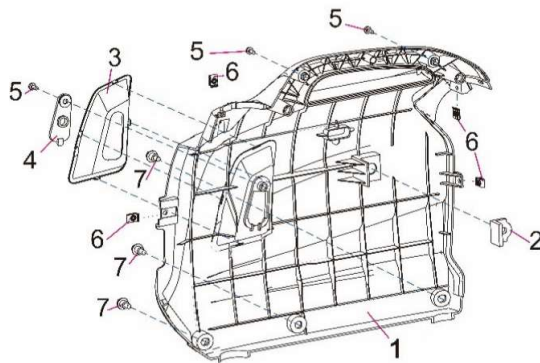


Shell

(See Figure 12)

Figure 12 - Shell

Ref #	Part Number	Description	Qty
1	467.2220.001.15.00	LEFT SHELL	1
2	467.6234.001.00.00	SHEATH	1
3	467.2221.001.00.00	ORNAMENT SHELL	1
4	148.2186.001.00.00	COVER PLATE	1
5	0818.05016.00.07	CROSS-RECESSED PANHEAD SCREW	5
6	6178.05000.00.04	NUT	8
7	467.4789.001.00.00	STEP BOLTS	6
8	467.2222.001.15.00	RIGHT SHELL	1
9	467.6234.002.00.00	SHEATH	1
10	467.4259.001.15.00	SPARKPLUG COVER	1
11	467.5522.002.00.00	SHEATH	3
12	467.5596.001.15.00	MAINTENANCE COVER	1
13	467.5597.001.15.00	DIPSTICK COVER	1
14	0949.05014.00.07	LOCKING PANHEAD SCREW	1



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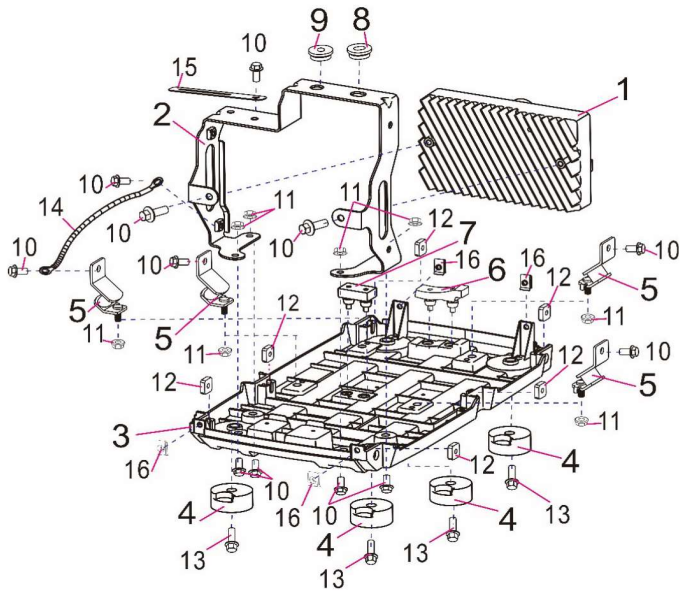
Inverter Generator Spare Parts List

Baseplate, Inverter

(See Figure 13)

Figure 13 - Baseplate, Inverter

Ref #	Part Number	Description	Qty
1	467.2470.003.00.00	INVERTER	1
2	467.2471.001.00.00	STEEL SUPPORT	1
3	467.3340.001.00.00	BASEPLATE	1
4	467.3350.001.00.00	FRAME SEAT	4
5	467.3360.001.00.00	FRAME SEAT	4
6	467.5523.001.00.00	RUBBER BEARING	1
7	467.5523.002.00.00	RUBBER BEARING	1
8	467.5522.002.00.00	SHEATH	1
9	467.5522.001.00.00	SHEATH	1
10	5787.06012.00.01	BOLT	12
11	6177.06000.00.01	NUT	8
12	467.5926.001.00.00	NUT	6
13	5789.06016.00.01	BOLT	4
14	467.3410.003.00.00	GROUND WIRE	1
15	188.1220.002.00.00	CABLE CLAMP	1
16	6178.05000.00.04	NUT	4

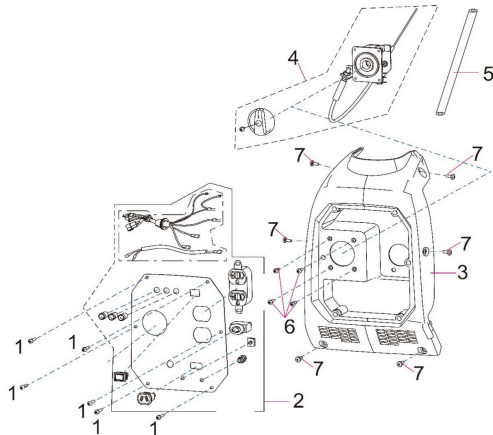


Control Panel

(See Figure 14)

Figure 14 - Control Panel

Ref #	Part Number	Description	Qty
1	0818.05016.00.07	CROSS-RECESSED PANHEAD SCREW	6
2	467.3370.006.00.00	CONTROL PANEL ASSEMBLY	1
3	467.6655.002.00.00	PANEL FRAME	1
4	467.2140.001.00.00	SWITCH ASSEMBLY	1
5	467.2332.002.00.00	PVC TUBE	1
6	0819.04212.00.01	SHEETMETAL SCREW	4
7	0818.05016.00.07	CROSS-RECESSED PANHEAD SCREW	6

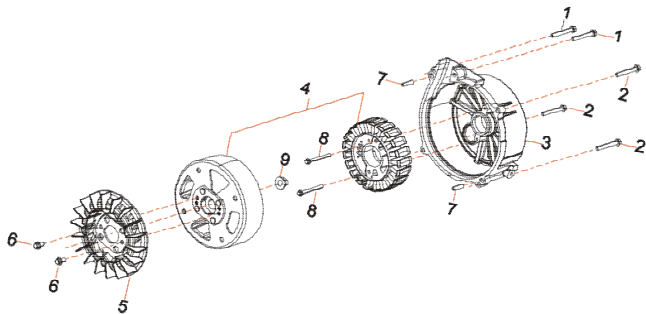


Rotor/Stator

(See Figure 15)

Figure 15 - Rotor/Stator

Ref #	Part Number	Description	Qty
1	5789.06030.00.01	BOLT	5
2	5789.06025.00.01	MOTOR SHROUD	1
3	467.4060.001.00.00	STATOR COMP	1
4	467.4000.002.00.00	ROTOR COMP	1
5	148.2030.001.63.00	FAN BLADE	1
6	5789.06012.00.01	BOLT	2
7	188.3170.001.00.00	PIN	2
8	5789.05035.00.01	BOLT	2
9	6177.12000.05.01	PIN	1



Parts Breakdown | BNG2800iE Inverter Generator

BNG2800iE Inverter Generator Specifications

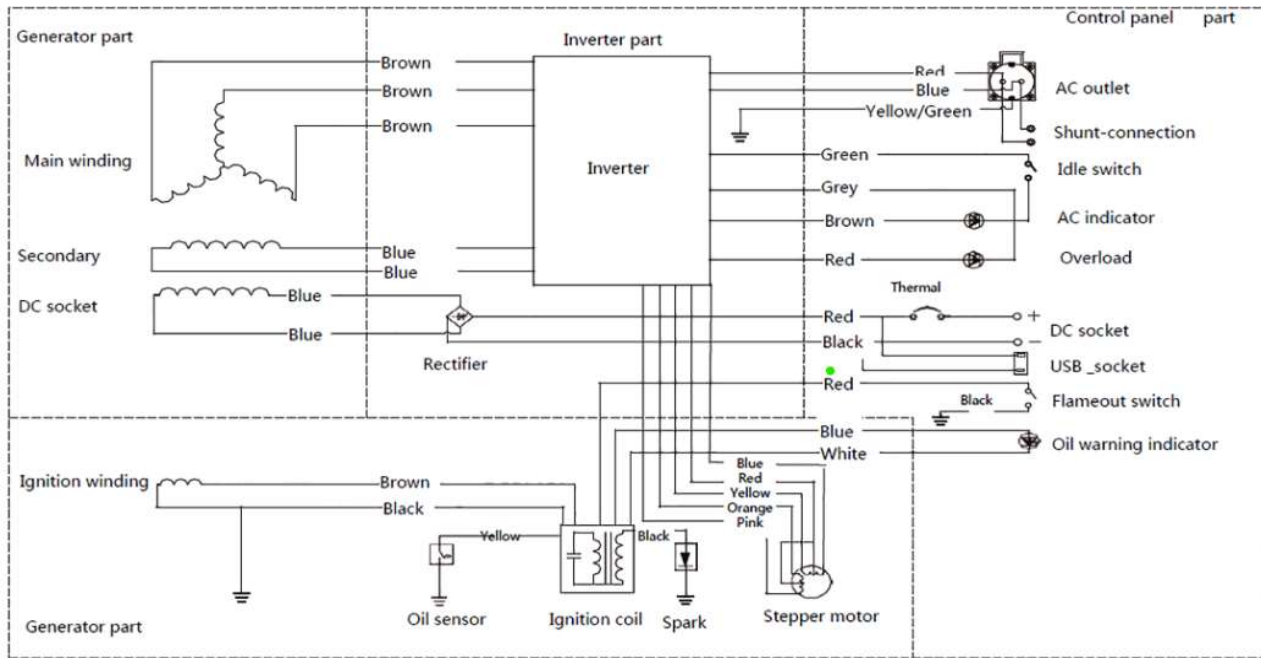
Figure 16 - Specification Table

BNG2800iE Inverter Generator	
<i>Frequency</i>	60Hz Single Phase
<i>Power Rated / Power Max</i>	2.8kW / 3.0kW
<i>Rated Voltage (AVR)</i>	120V Single Phase
<i>Fuel Tank Capacity</i>	1 Gallon / 3.8 Litres
<i>Voltage</i>	120V
<i>Outlets</i>	1 - Duplex 120V 20 Amp
	1 - Twist lock AC 120 23A
<i>Parallel Connections</i>	Yes
<i>Run Time at 50% Load (Hrs/tank)</i>	10 hours
<i>Run Times at 100%</i>	5 hours
<i>Certifications</i>	EPA, CARB
<i>Unit Dimensions</i>	[LxWxH] 19" x 11.4" x 17" (48.26 x 29.96 x 43.18 cm)
<i>Unit Weight</i>	47 lbs. / 21.3 KG
<i>Sound Level @ 50% Load (23 feet)</i>	62 dBA
<i>Engine</i>	145cc OHV, air-cooled
<i>Oil Capacity</i>	0.45L SAE 10W-30

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BNG2800iE Inverter Generator: Wiring Diagram

Figure 17 - Electrical Schematic/wiring diagram



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