

KIPOR



KIPOR

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DIGITAL GENERATOR

➤ KIPOR General Profile



Founded in 1998, KIPOR was originally dedicated solely to the research and development of engines. Today, 12 years later, KIPOR owns two companies- KIPOR Power and KIPOR Machinery. Its product line has expanded from engines into four major series - Engine, Generator, Industrial Vehicles and Construction Machinery. KIPOR, as an international company, integrates research & development, production and sales as a whole and has cast its business net to cover every corner of the world.

- A total manufacturing area over 7.3 million square feet including manufacturing plants in Anzhen and the Wuxi New District
- Over 3000 employees
- Over 500 engineers

WHY HAVE A GENERATOR ?

The threat of power outages will unveil a strong and bright future for the residential generators market, according to the latest market research study from SBI, Residential Generators, 2nd Edition - U.S. Market and World Data. The global market is expected to grow 7% per year from 2010 to 2014 ultimately reaching \$9 billion in 2014.

The U.S. market for residential gensets is expected to continue to benefit from consumer desire to insure against utility power failure resulting from an aging infrastructure and increasing climate-related events and approach \$1.2 billion in 2014.

WHY CHOOSE A KIPOR GENERATOR ?

Kipor is China's leading backup power supplier, leading manufacturer of engines, gensets, industrial vehicles, construction equipment .

Kipor maintains extraordinary creativity from optimizing existing products to exploring the frontier of new technology and endeavors to develop more low-carbon, energy-saving products.

Kipor continuously generate new products with it's three key technologies-engines, alternators and controls.

Kipor's generator set size is ranging from 0.7 kilowatts to 3.0 Megawatts.

Kipor is a true global enterprise with sales network in 150 countries.

In January 2004 Kipor entered the US market . Within the first four years more than 35,000 Kipor generator units were sold.

In 2011 Kipor established Kipor Power Systems in Portland Oregon. KPS is a division of Wuxi Kipor Power Co., LTD.

KIPOR MORE THAN JUST A GENERATOR COMPANY....



Digital Generator



General Generator



Ultra Silent Generator

ADDITIONAL KIPOR PRODUCTS



Diesel Digital Generator



Diesel Generators



Light Tower



Engines



Tillers



Transporter



Pumps

KIPOR HOW QUIET ARE KIPOR GENERATORS ?

Decibel Level Source

0	dB	The softest sound a person can hear with normal hearing
10	dB	Normal breathing
20	dB	Whispering at 5 feet
30	dB	Soft whisper
40	dB	Quiet office, library, quiet residential area
54-60	dB	Kipor Generators
55	dB	Coffee percolator
60	dB	Normal conversation, sewing machine
70	dB	Freeway traffic
74	dB	Coleman Generators (recent models only. Older units are louder)
80	dB	Manual machine, tools
90	dB	Truck, shouted conversation, tractor
100	dB	Snowmobile, school dance, boom box, factory machinery, woodworking class
110	dB	Symphony concert, shouting in ear



FOLLOW THESE STEPS WHEN DETERMINING YOUR ENERGY NEEDS

1. Identify the wattage requirements for the tools and appliances that you want to power. The power requirement for the tool or appliance can be found on its identification plate or in the Owner's Manual. If the power requirement is given in amps, multiply the amps times volts to derive the required watts.

Amps x Volts = Watts

2. Add up the required watts of all the tools and appliances you expect to operate simultaneously.
 3. The total watts derived in step 2 is the size Kipor generator you need. These three simple steps will "size" a generator.

This chart lets you immediately add up all of the appliances you will most likely utilize:

GENERATOR WORKSHEET			
	RUNNING WATTAGE REQUIREMENTS	ADDITIONAL STARTING WATTAGE REQUIREMENTS	TOTALS
Furnace Fan, gas or fuel oil furnace			
1/8 horsepower	300	500	
1/6 horsepower	500	750	
1/4 horsepower	600	1000	
2/5 horsepower	700	1400	
3/5 horsepower	875	2350	
Central Air Conditioner			
10,000 BTU	1500	2200	
20,000 BTU	2500	3300	
24,000 BTU	3800	4950	
32,000 BTU	5000	6500	
40,000 BTU	6000	6700	
HEATING/COOLING:		SUB-TOTAL:	
Kitchen			
Refrigerator, Average	600	2200	
Dish Washer - Cool Dry	700	1400	
Dish Washer - Hot Dry	1450	1400	
Clothes Dryer - Gas	700	1800	
Clothes Dryer - Electric	5750	1800	
Microwave Oven, 750W	750	800	
Washing Machine	750	2300	
Coffee Maker	850	0	
Toaster 2-slice	1100	0	
Toaster 4-slice	1650	0	
Electric Skillet	1500	0	
Electric Range 6-in. element	1500	0	
Electric Range 8-in. element	2100	0	
Freezer	2500	2200	
		SUB-TOTAL:	

GENERATOR WORKSHEET			
	RUNNING WATTAGE REQUIREMENTS	ADDITIONAL STARTING WATTAGE REQUIREMENTS	TOTALS
Bathroom			
Hair Dryer	800 - 1700	0	
Iron	1200	0	
		SUB-TOTAL:	
APPLIANCES			
Lights- Wattage	Actual:		
VCR	50	0	
Heating Pad	65	0	
Radio	100	0	
Television - Black & White	100	0	
Television - Color	300	0	
Dehumidifier	400	0	
Electric Blanket	550	0	
Garage Door Opener - 1/4HP	400	1100	
Garage Door Opener - 1/3HP	725	1400	
Well Pump - 1/3 hp	750	1400	
Well Pump - 1/2 hp	1000	2100	
Sump Pump - 1/3 hp	500-1200	1700	
Sump Pump - 1/2 hp	1050	2150	
Vacuum Cleaner - Standard	800	0	
Vacuum Cleaner - Deluxe	1100	0	
		SUB-TOTAL:	
COMMERCIAL PRODUCTS:			
1/4" Drill	300	300	
Jigsaw	300	300	
Electric Weed Trimmer	500	500	
Router	1000	1000	
Belt Sander	1000	1000	
Disc Sander	1200	1200	
Chain Saw	1200	1200	
Worm Drive Saw	1560	3100	
12" Concrete Cutter	1800	3600	
7 1/4" Circular Saw	1500	3000	
Disc Grinder	2000	4000	
Air Compressor, Average	2000	4000	
		SUB-TOTAL:	

KIPOR DIGITAL GENERATOR SERIES



KIPOR has the right generator to meet your portable power needs. KIPOR---the best choice in portable power. Outstanding serviceability and reliable performance in a simple, easy-to-use design makes Kipor generators the best choice in portable power.

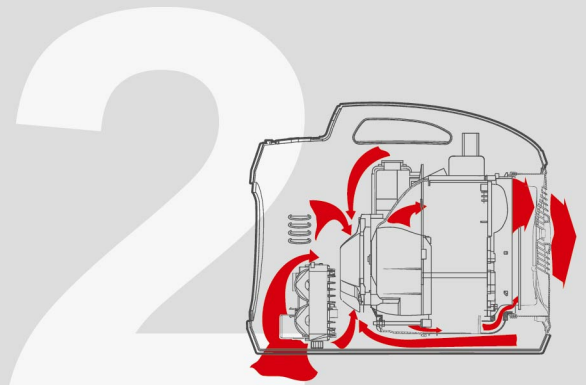
KIPOR Digital Sinemaster Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for RV, Industrial, OPE and home needs. The pure sinewave generators can run sensitive electronic equipment.

DIGITAL GENERATOR SERIES

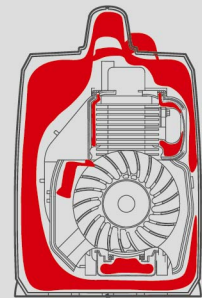
GASOLINE DIGITAL

1 Inverter Technology

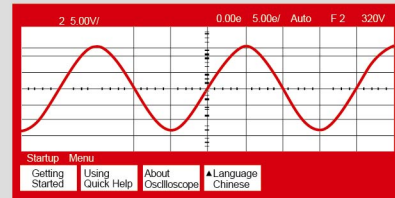
Kipor Digital Generators deliver stable, pure sine wave AC output, reliable enough to power even the most sensitive electronic equipment. And when you need backup power at home, these technically advanced inverter generators will get you and your sensitive equipment through any power-related emergency. A high-efficient combustion system produces exceptionally low emissions and environmentally friendly generators. Kipor's unique Smart Throttle control makes them more fuel efficient. Kipor Digital Generators deliver quiet, quality power in a compact package- ranging in size from small easy-to-carry lightweight models, to larger models with wheels and handles that can be easily transported. Sinemaster generators are designed for maximum portability.



Unique and patent-depending cooling air system

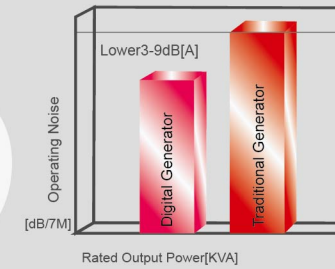


Unique and patent-depending cooling air system



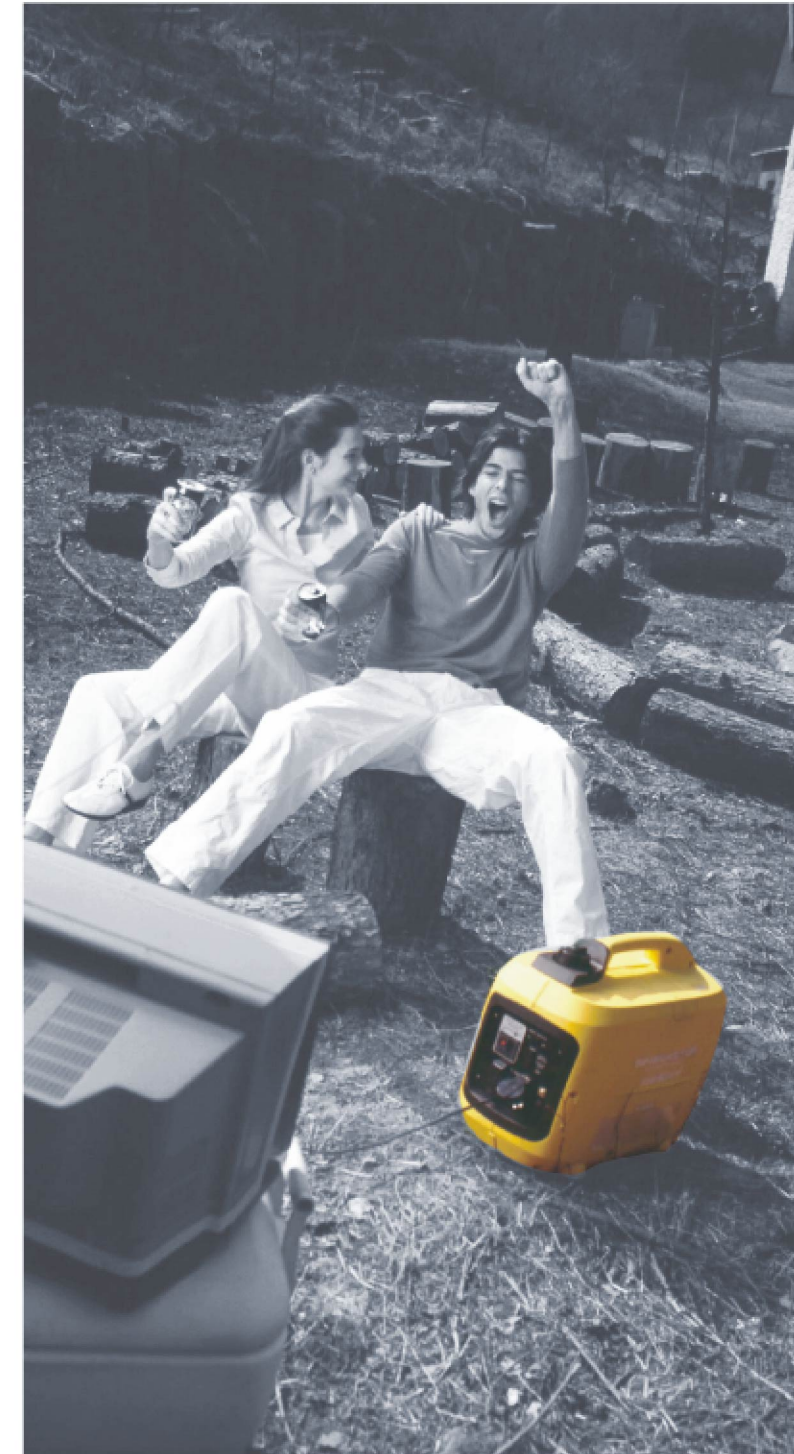
Sine wave diagram of KIPOR Digital series generator

3



Product Features

- Clean, high-quality output that can power the most sensitive electronic equipment.
- Lightweight and compact design for maximum portability and efficiency.
- Low noise design is optimized for efficiency resulting in a clean, efficient, low-noise digital generator.
- Kipor Digital Generators feature low emission, fuel efficient engines and they are quiet-making them among the most environmentally friendly generators on the market.
- Microprocessor control instantly senses high overload condition and shuts unit down.
- Digital control varies engine speed to load for superior engine performance and power management.
- Ideal for RV, Industrial, OPE and home applications.



TECHNICAL DATA



Model	IG770	IGI000p
Rated frequency (Hz)	60	60
Rated voltage (V)	120	120
Rated current (A)	5.8	7.5
Max. output (A)	6.4	8.3
Rated output (kW)	0.7	0.9
Max. output (kW)	0.77	1.0
DC output	N/A	12V-5A
Phase number	Single	Single
Structure type	Portable,silent	Portable, silent, Parallel ready
Fuel capacity (G/L)	0.5Gal./1.55L	0.7Gal./2.6L
Continuous running time (hr) (rated output)	3.0	4.0
Noise level (zero load-full load) dB (A)/7m	60-65dB@23'(7m)	54-59dB@23'(7m)
Overall dimension (L×W×H) (inch/mm)	16×8.6×14.17 /415x220x360	17.5×9.5×15 /460x248x395
Net weight (LB/kg)	23lbs./10.5kg	30.8lbs./14kg
Starting system	Recoil starter	Recoil starter
Fuel type	unleaded gasoline	unleaded gasoline
Lube oil type	SAE10W-30,15W-40	SAE10W-30,15W-40
Engine model	KG140	KG144
Engine type	Single-cylinder, vertical, 4-stroke,OHC, air-cooled	
Bore×Stroke (mm)	40X30	43.5X36
Displacement (ml)	37.68	53.5
Ignition system	Electronic	Electronic
Rated Power/Speed	1.34 hp/6000 rpm	1.74 hp/5500 rpm
Spark plug	UR5	UR5

GASOLINE DIGITAL



Model	IG2000p	IG2600hp
Rated frequency (Hz)	60	60
Rated voltage (V)	120	120
Rated current (A)	13.3	19.2
Max. output (A)	16.6	21.6
Rated output (kW)	1.6	2.3
Max. output (kW)	2.0	2.6
DC output	12V-5A	12V-5A
Phase number	Single	Single
Structure type	Portable, silent, Parallel ready	Portable, silent, w/retractable handle, Parallel Ready
Fuel capacity (G/L)	1Gal./3.7L	1.32Gal./5L
Continuous running time (hr) (rated output)	3.5	3
Noise level (zero load-full load) dB (A)/7m	54-59dB@23'(7m)	58-65dB@23'(7m)
Overall dimension (L×W×H) (inch/mm)	20×11×16.75 /515x300x430	23.22×12.99×18.89 /590x330x480
Net weight (LB/kg)	48.5lbs./22kg	68lbs./31kg
Starting system	Recoil starter	Recoil starter
Fuel type	unleaded gasoline	unleaded gasoline
Lube oil type	SAE 10W-30,15W-40	SAE10W-30,15W-40
Engine model	KG158	KG166
Engine type	Single-cylinder, vertical, 4-stroke, OHC, air-cooled	
Bore×Stroke (mm)	58X40	86X50
Displacement (ml)	105.6	171
Ignition system	Electronic	Electronic
Rated Power/Speed	2.95 hp/4500 rpm	4.4 hp /3600 rpm
Spark plug	UR5	WR7DC

TECHNICAL DATA



Model	IG3000	IG3000E
Rated frequency (Hz)	60	60
Rated voltage (V)	120	120
Rated current (A)	23.3	23.3
Max. output (A)	25	25
Rated output (kW)	2.8	2.8
Max. output (kW)	3.0	3.0
DC output	12V-5A	12V-5A
Phase number	Single	Single
Structure type	Silent	Open frame
Fuel capacity (G/L)	3.4Gal./13L	2Gal./9.4L
Continuous running time (hr) (rated output)	8	5
Noise level (zero load---full load) dB (A)/7m	63-73dB@23'(7m)	70-74dB@23'(7m)
Overall dimension (L×W×H) (inch/mm)	27.5×17×19.9 /684x440x505	20×17×18.5 /491x410x430
Net weight (LB/kg)	132.3lbs./57kg	88lbs./40kg
Starting system	Recoil starter&Electric starter	Recoil starter&Electric starter
Fuel type	unleaded gasoline	unleaded gasoline
Lube oil type	SAE 10W-30,15W-40	SAE 10W-30,15W-40
Engine model	KG205GETI	KG205GEXi
Engine type	Single-cylinder, oblique-cylinder, 4-stroke, OHV, air-cooled	Single cylinder, oblique cylinder, 4 stroke, OHC, air-cooled
Bore X Stroke (mm)	68X54	68X54
Displacement (ml)	196	196
Ignition system	Electronic	Electronic
Rated Power/Speed	5.36 hp /3600 rpm	5.36 hp /3600 rpm
Spark plug	WR7DC	WR7DC

GASOLINE DIGITAL



Model	IG4300	IG6000h
Rated frequency (Hz)	60	60
Rated voltage (V)	120/240	120/240
Rated current (A)	33.3/16.7	45.8/22.9
Max. output (A)	35.8/17.9	50/25
Rated output (kW)	4	5.5
Max. output (kW)	4.3	6.0
DC output	12V-5A	12V-5A
Phase number	Single	Single
Structure type	Silent	Silent, with retractable handle
Fuel capacity (G/L)	3.4Gal./13L	5.9Gal./22L
Continuous running time (hr) (rated output)	5	6
Noise level (zero load---full load) dB (A)/7m	63-70dB@23'(7m)	63-70dB@23'(7m)
Overall dimension (L×W×H) (inch/mm)	30.11×18.50×22.44 /785x470x570	49×19.5×23.5 /800x495x624
Net weight (LB/kg)	165lbs./75kg	223lbs./96.5kg
Starting system	Recoil starter, electric starter	Electric starter
Fuel type	unleaded gasoline	unleaded gasoline
Lube oil type	SAE 10W-30,15W-40	SAE 10W-30,15W-40
Engine model	KG280GETi	KG390GETi
Engine type	Single-cylinder, 4-stroke, air-cooled, OHV, oblique-cylinder	Single-cylinder, 4-stroke, air-cooled, OHV, oblique-cylinder
Bore X Stroke (mm)	78×58	88X64
Displacement (ml)	277	389
Ignition system	Electronic	Electronic
Rated Power/Speed	7.4 hp /3600 rpm	10.3 hp /3600 rpm
Spark plug	WR7DC	WR7DC

DIESEL DIGITAL TECHNICAL DATA



Model	KDE5000E		KDE5000TA	
Rated frequency (Hz)	50	60	50	60
Rated output (kVA)	4.5	5.0	4.5	5.0
Max. output (kVA)	5.0	5.5	5.0	5.5
Rated voltage (V)	115/230	120/240	115/230	120/240
Rated current (A)	39.1/19.6	41.7/20.8	39.1/19.6	41.7/20.8
Rated rotation speed (r/min)	3000	3600	3000	3600
Phase No.	Single		Single	
Power factor (Cos Φ)	1.0		1.0	
Insulation grade	B		B	
Pole No.	2		2	
Excitation mode	Self-excitation and constant voltage(AVR)			
Panel type	General Panel		Digital Panel	
Output Voltage (V)	115/230	120/240	115/230	120/240
Receptacle	Two receptacles		Two receptacles	
Connection pole	N/A		N/A	
DC 12V output	Connection pole output		DC receptacle output	
Overall dimension: L×W×H (inch/mm)	28.35×19.37×25.79/720×492×655		36.61×21.06×29.21/930×535×742	
Dry weight (LB/kg)	220.46lbs./100kg		374.79lbs./170kg	
Working assorting weight (kg)	115		185	
Noise level (7m) dB(A)	77		72	
Structure type	Open frame		Silent	
Engine model	KM186FAG		KM186FAGET	
Engine type	Single cylinder, vertical, four-stroke, direct injection			
Cylinder No.-bore×stroke (mm)	1-86×72		1-86×72	
Displacement (ml)	418		418	
Rated power [kW/(r/min)]	5.7/3000	6.3/3600	5.7/3000	6.3/3600
Compression ratio	19:1		19:1	
Rated rotation speed (r/min)	3000	3600	3000	3600
Combustion system	Direct injection		Direct injection	
Cooling system	Air cooled		Air cooled	
Lubrication system	Pressure splashed		Pressure splashed	
Starting system	Electric starter		Electric starter	
Fuel type	0 # (summer), -10 # (winter), -35 # (chillness) diesel			
Lube oil brand	CD grade or SAE10W-30, 15W-40		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water (L)	N/A		N/A	
Lube oil capacity (L)	1.65		1.65	
Starting motor capacity (V-kW)	12V 0.8kW		12V 0.8kW	
Charging generator capacity (V-A)	12V 3A		12V 3A	
Battery capacity (V-Ah)	12V 36Ah		12V 36Ah	
Fuel consumption (g/kW-h)	≤360		≤360	
Fuel tank capacity (G/L)	3.6Gal/13.5L		4Gal/15L	
Continous running time (hr)	6		6.5	

DIESEL GENERAL TECHNICAL DATA



Model	ID5500
Rated frequency (Hz)	50/60
Rated output (kVA)	5
Max. output (kVA)	5.5
Rated voltage (V)	115/230 120/240
Rated current (A)	43.5/21.7 41.7/20.8
Rated speed (r/min)	1700-3300
Model	KD70
Motor type/Converter type	Multipolar permanent magnet/ IGBT digital frequency converter
Loop mode	Single-phase three-loop
Power factor(COS Φ)	1.0
Insulation grade	F
Model	KD186FGETi
Type	Single-cylinder, vertical type, four-stroke,water-cooled, swirl chamber
Bore×stroke (mm)	86×75
Displacement (ml)	436
Compression ratio	19.6:1
Rated power [kW/(r/min)]	6.3/3600
Coolant capacity (engine only) (L)	0.925
Lube system	Pressure splashed
Lube oil brand	CD grade or SAE 10W-30, 15W-40
Lube oil capacity (L)	1.65
Starting system	Electric starter
Battery capacity x No. (V-Ah)	12V-36Ah
Fuel type	0#(summer), 10#(winter)-35#(chillness) diesel
Genset fuel consumption (g/kW.h)	≤340
Noise level(no load--full load) (7m) [dB(A)]	62-69
Structure type	Silent
Overall dimension (L×W×H)(inch/mm)	34.45x20.87x29.53/875×530×750
Net weight (LB/kg)	370.38lbs./168kg

STANDARD PART & OPTIONAL PARTS

ACCESSORIES FOR DIGITAL GENERATOR

Receptacles	IG770	IG1000p	IG2000p	IG2600hp	IG3000	IG3000E	IG4300	IG6000h
DC Receptacle	-	1	1	1	1	1	1	1
110V 20A RU-22 Duplex	1	1	1	1	-	-	-	-
110V 20A 5-20R Single	-	-	-	-	2	1	-	-
125V 30A L5-30	-	-	-	-	1	1	1	1
125/250V 30A L14-30	-	-	-	-	-	-	1	1
125V 20A GFCI	-	-	-	-	-	-	1	1

Standard Parts	IG770	IG1000p	IG2000p	IG2600hp	IG3000	IG3000E	IG4300	IG6000h
Indicator Light	✓	✓	✓	✓	✓	✓	✓	✓
Electric Overload Protection	✓	✓	✓	✓	✓	✓	✓	✓
DC Charge Cables		✓	✓	✓	✓	✓	✓	✓
Low Oil Alarm	✓	✓	✓	✓	✓	✓	✓	✓
Electric Starter					✓	✓	✓	✓
Wheel Kit					✓		✓	✓
Spare Spark Plug, Wrench, Oil Fill Dispenser	✓	✓	✓	✓	✓	✓	✓	✓

Parallel Kit	
Part # IG2000PS120JA-13400	Parallel wiring kit 30 amp twist lock receptacle
Part # IG2600PS120JA-13400	Parallel wiring kit with 30 amp plus 20amp receptacle



Generators sold separately

Mobile Light Kit	
Part #KGE1000TSi-05000	Mobile Light Unit for IG1000
Part #KGE2000TSi-05000	Mobile Light Unit for IG2000

