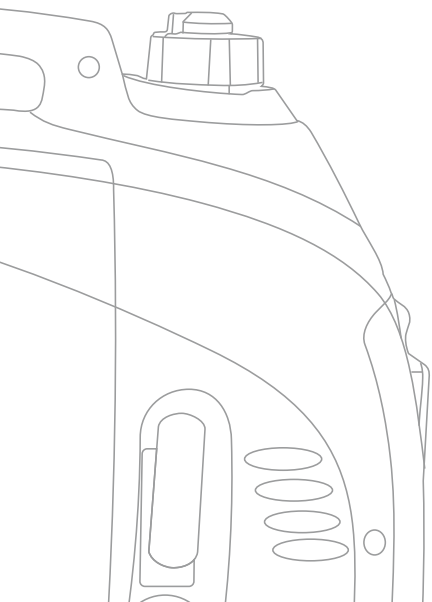


DIGITAL INVERTER   
www.usrpower.com

**USR**<sup>®</sup>  
GENERATORS



WeChat



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DIGITAL INVERTER   
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**USR**<sup>®</sup>  
GENERATORS



  
远东电机



## USR BRIEF

USR Industries Co., Ltd is a high-tech enterprise specializing in production of digital inverter generator sets. The company has a team of excellent experts with high innovative capability, who are engaged in the study of gasoline engine, inverter and the structure of the machine. The company holds many patents.

The company has an advanced quality management system, first-class processing equipment and means to perform perfect test and check to ensure the quality of products to market. The company has passed the ISO9001 Quality System certification, and also has achieved for the relevant CE,GS,EPA and VCA certificates.

Constantly adhering to the concept of "being based on people, making technical innovations, creating excellent products and running business to meet requirement of market", the company increases the input in researching and developing those high-tech products which can also be accepted by the market, and continuously applying new technology and new element to R & D as well as production so as to lay a solid foundation for keeping the products the most competitive in markets. All the staff of the company are willing to treat the customers with sincerity and work together to create a brilliant future.



## BEING BASED ON PEOPLE MAKING TECHNICAL INNOVATIONS

Creating excellent products and running business  
to meet requirement of market.



# PORTABLE INVERTER GENERATOR

# 1

USRpower has the right generator to meet your portable power needs. USRpower---the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make USRpower generators the best choice in portable power.

Ideal for RV, campground, home and outdoor power applications.

USRpower Digital Sinemaster Generators provide clean and quiet portable power.

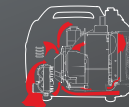
These compact and light-weight generators are the perfect match for the RV or campground, when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipment.

# 2

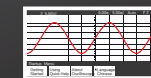
## Inverter Technology

USRpower Digital Generators deliver a stable, pure sine wave AC output, reliable enough to power even the most sensitive electronic equipment. When you need backup power at home, these technically advanced inverter generators will get you and all your appliances through any power related emergency. A high efficiency combustion system produces low emissions to maintain a clean environment. USRpower's unique Smart Throttle control system fosters exceptional fuel economy. USRpower Digital Generators deliver quiet, quality power in a compact package ranging in size from small easy to carry lightweight models to larger models with ergonomically designed handles and wheels that can be easily trans-ported. Sinemaster generators are designed for maximum portability.

# 3



Unique patented air cooling system



Sine wave diagram of USR Digital series generator

## Product Features

Clean high quality output 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 digital generator.

USRpower Digital Generators feature low emissions and are highly fuel efficient and quiet making them among the most environmentally friendly generators on the market.

The microprocessor control instantly senses an overload or short circuit and immediately shuts off the engine to protect the generator and the load.

The inverter module adjusts the engine speed based on the load required resulting in reduced wear and fuel consumption.

Ideal for RV, campground and home applications.



**PRODUCT FEATURES**



**Lightweight Portable**  
The alternator is connected directly to the engine, eliminating the weight of the flywheel.



**Unique Structure Utilizing The Latest Technology**  
The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



**Certification**  
USRpower digital gensets have received EPA, CE certification.



**Green Power System**  
The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



**Quality Power**  
USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



**A Wide Range of Benefits**  
In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

**EV10i** DIGITAL INVERTER GASOLINE GENERATOR

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

Ideal for RV, Campground, Home Applications and more.



USRpower Digital Pure Sine wave **PSW** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.

- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



**EV10i Inverter generator**



	EV10i
Rated frequency (Hz)	50/60
Rated output (kW)	0.9
Max. output (kW)	1.0
Dimensions(mm)	450X250X370
zero load-full load [dB(A)1m]	56
Net weight(kg)	13.7



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



**EV20i Inverter generator**



**EV20i**

Rated frequency (Hz)	50/60
Rated output (kW)	1.8
Max. output (kW)	2.0
Dimensions(mm)	520X270X425
zero load-full load) [dB(A)/1m]	61-73
Net weight(kg)	21

**EV20i** DIGITAL INVERTER GASOLINE GENERATOR

USRpower has the right generator to meet your portable power needs. USR—the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make USRpower generators the best choice in portable power.

Ideal for RV, Campground, Home Applications and more.

USRpower Digital Pure Sine wave **PSW** master Series Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.

**PRODUCT FEATURES**



**Lightweight Portable**

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



**Unique Structure Utilizing The Latest Technology**

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



**Certification**

USRpower digital gensets have received EPA, CE certification.



**Green Power System**

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



**Quality Power**

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



**A Wide Range of Benefits**

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



## PRODUCT FEATURES



### Lightweight Portable

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



### Unique Structure Utilizing The Latest Technology

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



### Certification

USRpower digital gensets have received EPA, CE certification.



### Green Power System

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



### Quality Power

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

# EV30i GASOLINE

USRpower has the right generator to meet your portable power needs. USR—the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make USRpower generators the best choice in portable power.

Ideal for RV, Campground, Home Applications and more.

USRpower Digital Pure Sine wave **PSW** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



## EV30i Inverter generator



### EV30i

Rated frequency (Hz)	50/60
Rated output (kW)	2.8
Max. output (kW)	3.0
Dimensions(mm)	685X430X495
zero load-full load [dB(A)/1m]	63-73
Net weight(kg)	57



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



## PRODUCT FEATURES



### Lightweight Portable

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



### Unique Structure Utilizing The Latest Technology

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



### Certification

USRpower digital gensets have received EPA, CE certification.



### Green Power System

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



### Quality Power

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

# EV65i GASOLINE

USRpower has the right generator to meet your portable power needs. USR—the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make USRpower generators the best choice in portable power.

Ideal for RV, Campground, Home Applications and more.

USRpower Digital Pure Sine wave **PSW** master Series Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



## EV65i Inverter generator



### EV65i

Rated frequency (Hz)	50/60
Rated output (kW)	5.5
Max. output (kW)	6.0
Dimensions(mm)	802X495X655
zero load-full load) [dB(A)'1m]	65-75
Net weight(kg)	96.5



## PRODUCT FEATURES



**Lightweight Portable**  
The alternator is connected directly to the engine, eliminating the weight of the flywheel.



**Unique Structure Utilizing The Latest Technology**  
The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



**Certification**  
USRpower digital gensets have received EPA, CE certification.



**Green Power System**  
The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



**Quality Power**  
USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



**A Wide Range of Benefits**  
In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

SILENT GASOLINE  
GENERATOR SET  
12/13



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Gasoline Generator Set



	USR8-S	USR10-S	USR15-S
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kW)	8.0	8.0	8.0
Max. output (kW)	10.0	10.0	10.0
Dimensions(mm)	1160X720X920	1160X720X920	1160X720X920
zero load-full load) [dB(A)/1m]	56-67	56-67	56-67
Net weight(kg)	296	310	330

## USR8-S~ USR30-S

Silent Gasoline  
Generator Set



	USR20-S	USR25-S	USR30-S
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kW)	8.0	8.0	8.0
Max. output (kW)	10.0	10.0	10.0
Dimensions(mm)	1160X720X920	1160X720X920	1160X720X920
zero load-full load) [dB(A)/1m]	56-67	56-67	56-67
Net weight(kg)	370	430	560

- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment

## Technical Data



Generating set		EV10i		EV20i	
Rated frequency	Hz	50	60	50	60
Prime power	kW	0.9		1.8	
Standby power	kW	1		2	
Rated voltage	V	230	120/240	230	120/240
Rated current	A	3.9	7.5/3.75	7	13.3/6.7
Rated rotation speed	r/min	5500		4500	
DC output		12V-5.0A		12V-5.0A	
Generator type		USR10		USR20	
Power factor	COSΦ	0.98		0.98	
Phase number		Single phase		Single phase	
Engine					
Engine type		GXH50		GX100	
Structure type		Single cylinder, in-lined, 4-stroke,air cooled, overhead valve		Single cylinder, in-lined, 4-stroke,air cooled, overhead camshaft	
Bore×stroke	mm	43.5×36		58×40	
Displacement	L	0.0535		0.1056	
Compression ratio		8.5:1		8.5:1	
Rated power	KW/(r/min)	1.3/5500		2.2/4500	
Lube oil brand		AboveSF SAE 10W-30a 15W-40		AboveSF SAE 10W-30a 15W-40	
Lube capacity	L	0.15		0.4	
Lgnition system		T.C.I		T.C.I	
Spark plug		UR5		UR5	
Starter system		Recoil starter		Recoil starter	
Battery capacity		-		-	
Fuel type		Vehicle lead-free petrol		Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	380		400	
Genset					
Fuel consumptom	g/KW.h	550		550	
Fuel tank capacity	L	2.6		3.7	
Continuous running time(hr)(rated output)	h	5		3	
Noise(unload-full load)	dB(A)1m	54-59		61-73	
Overall dimension	mm	450X250X370		520X270X425	
		-		-	
Net weight	kg	13.7		21	
Structure type		Portable, silent		Portable, silent	

## Technical Data



Generating set		EV30i		EV65i	
Rated frequency	Hz	50	60	50	60
Prime power	kW	2.8		5.5	
Standby power	kW	3		6	
Rated voltage	V	230	120/240	230	120/240
Rated current	A	12.2	23.3/11.7	23.9	45.8/22.9
Rated rotation speed	r/min	3600		3600	
DC output		12V-5.0A		12V-5.0A	
Generator type		USR30		USR65	
Power factor	COSΦ	0.98		0.98	
Phase number		Single phase		Single phase	
Engine					
Engine type		F168		F188	
Structure type		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve	
Bore×stroke	mm	68×54		88×64	
Displacement	L	0.196		0.389	
Compression ratio		8.5:1		8.5:1	
Rated power	KW/(r/min)	4/3600		7.7/3600	
Lube oil brand		Above SF SAE 10W-30 15W-40		Above SF SAE 10W-30 15W-40	
Lube capacity	L	0.6		1.1	
Lgnition system		T.C.I		T.C.I	
Spark plug		WR7DC		WR7DC	
Starter system		Recoil starter, electric system		Electric system	
Battery capacity		12V-8Ah		12V-11Ah	
Fuel type		Vehicle lead-free petrol		Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	395		374	
Genset					
Fuel consumptom	g/KW.h	500		500	
Fuel tank capacity	L	13		22	
Continuous running time(hr)(rated output)	h	6.7		6	
Noise(unload-full load)	dB(A)1m	63-73		65-75	
Overall dimension	mm	685×430×495		802×495×655	
		-		-	
Net weight	kg	57		96.5	
Structure type		Silent		Silent	

## Technical Data



Generating set		USR8-S		USR10-S		USR15-S	
Rated frequency	Hz	50	60	50	60	50	60
Rated power	KW	8	8	10	11	15	16
Max. output	KW	10	10	12	13	18	19
Rated voltage	V	230	120/220	400/230	415/240	415/230	415/240
Rated current	A	35	67/36	25/43	26/45	36/43	38/67
Rated rotation speed	r/min	3000		3000		3000	
Generator							
Generator type		KFS8		KFS10		KFS15	
Motor type/frequency type				Multipole Rb-Fe-B permanent magnet /IGBT digital frequency			
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	0.8		0.8		0.8	
Insulation grade		H		H		H	
Engine							
Engine type		LJ465QE		LJ465QE		LJ465QE	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	65.5×72		65.5×72		65.5×72	
Displacement	L	0.97		0.97		0.97	
Compression ratio		8.8:1		8.8:1		8.8:1	
Rated power	KW/(r/min)	34.7/3000		34.7/3000		34.7/3000	
Water-cooled water capacity	Generator	L 3		L 3		L 3	
	Radiator tank	L 2.5		L 2.5		L 2.5	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	8.5		8.5		8.5	
Starter system		12V Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	12V 1.4KW		12V 2.8KW		12V 2.8KW	
Charging generator capacity	V-A	14V 20A		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-65Ah		12V-65Ah		12V-65Ah	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
Genset							
Nosie level(7m)	dB(A)	56		53		56	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	1160×720×920		1160×720×920		1160×720×920	
Net weight	kg	296		310		330	

## Technical Data



Generating set		USR20-S		USR25-S		USR30-S	
Rated frequency	Hz	50	60	50	60	50	60
Rated power	KW	20	22	25	27	30	32
Max. output	KW	23	24	28	30	32	34
Rated voltage	V	415/230	415/240	415/230	415/240	415/230	415/240
Rated current	A	50/86	53/95	60/108	65/112	72/130	77/133
Rated rotation speed	r/min	3000		3000		3000	
Generator							
Generator type		KFS20		KFS25		KFS30	
Motor type/frequency type				Multipole Rb-Fe-B permanent magnet /IGBT digital frequency			
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	0.8		0.8		0.8	
Insulation grade		H		H		H	
Engine							
Engine type		LJ470QE		LJ491QE		LJ4Y	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	58×75		59×73		65.5×72	
Displacement	L	0.97		0.97		0.97	
Compression ratio		8.8:1		8.8:1		8.8:1	
Rated power	KW/(r/min)	40/3000		45/3000		55/3000	
Water-cooled water capacity	Generator	L 3		L 3		L 3	
	Radiator tank	L 2.5		L 2.5		L 2.5	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	8.5		8.5		8.5	
Starter system		12V Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	12V 1.4KW		12V 2.8KW		12V 2.8KW	
Charging generator capacity	V-A	14V 20A		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-65Ah		12V-65Ah		12V-65Ah	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
Genset							
Nosie level(7m)	dB(A)	56		56		56	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	1530×820×920		1560×860×950		1580×860×950	
Net weight	kg	350		430		560	

# LPG & GASOLINE INVERTER GENERATOR

# 1

USRpower has the right generator to meet your portable power needs. USRpower—the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make USRpower generators the best choice in portable power.

Ideal for RV, campground, home and outdoor power applications.

USRpower Digital Pure Sine Wave PSW Generators provide clean and quiet portable power. These compact and light-weight generators are the perfect match for the RV or campground, when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipment.

# 2

## Inverter Technology

USRpower Digital Generators deliver a stable, pure sine wave AC output, reliable enough to power even the most sensitive electronic equipment. When you need backup power at home, these technically advanced inverter generators will get you and all your appliances through any power related emergency. A high efficiency combustion system produces low emissions to maintain a clean environment.

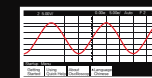
USRpower's unique Smart Throttle control system fosters exceptional fuel economy. USRpower Digital Generators deliver quiet, quality power in a compact package ranging in size from small easy to carry lightweight models to larger models with ergonomically designed handles and wheels that can be easily trans-ported. Sinemaster generators are designed for maximum portability.

Dual fuel inverter generator for some countries is rich in LPG ( Liquefied Petroleum Gas ) and natural gas, USR company came out with dual fuel inverter generators to adapt to different market demand, dual fuel inverter generator can through the fuel switch fuel, gas oil can be used alone, also can be used alone liquefied petroleum gas or natural gas. Use liquid gas or day when gas generator output power and use same gasoline, but more fuel saving cost.

# 3



Unique patented air cooling system



Sine wave diagram of USR Digital series generator

## Product Features

Clean high quality output 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 digital generator.

USRpower Digital Generators feature low emissions and are highly fuel efficient and quiet making them among the most environmentally friendly generators on the market.

The microprocessor control instantly senses an overload or short circuit and immediately shuts off the engine to protect the generator and the load.

The inverter module adjusts the engine speed based on the load required resulting in reduced wear and fuel consumption.

Ideal for RV, campground and home applications.



## PRODUCT FEATURES



### Lightweight Portable

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



### Unique Structure Utilizing The Latest Technology

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



### Certification

USRpower digital gensets have received EPA, CE certification.



### Green Power System

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



### Quality Power

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

## EV10i - LPG Double fuel Gasoline LPG(Liquefied Petroleum Gas)

Dual fuel inverter generator for some countries is rich in LPG (Liquefied Petroleum Gas) and natural gas, USR company came out with dual fuel inverter generators to adapt to different market demand, dual fuel inverter generator can through the fuel switch fuel, gas oil can be used alone, also can be used alone liquefied petroleum gas or natural gas. Use liquid gas or day when gas generator output power and use same gasoline, but more fuel saving cost.



We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



### EV10i-LPG Inverter generator



#### EV10i-LPG

Rated frequency (Hz)	50/60
Rated output (kW)	0.9
Max. output (kW)	1.0
Dimensions(mm)	460X250X395
zero load-full load) [dB(A)/1m]	54-59
Net weight(kg)	14

- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment

USRpower Digital Pure Sine wave **PSW** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.

**LPG INVERTER  
GENERATOR  
22/23**



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment

**PRODUCT FEATURES**



**Lightweight Portable**

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



**Unique Structure Utilizing The Latest Technology**

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



**Certification**

USRpower digital gensets have received EPA, CE certification.



**Green Power System**

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



**Quality Power**

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



**A Wide Range of Benefits**

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

**EV20i-LPG** Double fuel Gasoline LPG(Liquefied Petroleum Gas)

Dual fuel inverter generator for some countries is rich in LPG (Liquefied Petroleum Gas) and natural gas. USR company came out with dual fuel inverter generators to adapt to different market demand, dual fuel inverter generator can through the fuel switch fuel, gas oil can be used alone, also can be used alone liquefied petroleum gas or natural gas. Use liquid gas or day when gas generator output power and use same gasoline, but more fuel saving cost.

USRpower Digital Pure Sine wave **PSW™** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sinewave generators can run sensitive electronic equipments.

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



**EV20i-LPG Inverter generator**



**EV20i-LPG**

Rated frequency (Hz)	50/60
Rated output (kW)	1.8
Max. output (kW)	2.0
Dimensions(mm)	515X300X430
zero load-full load) [dB(A)'1m]	61-73
Net weight(kg)	22



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



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### EV30i-LPG Inverter generator



#### EV30i-LPG

Rated frequency (Hz)	50/60
Rated output (kW)	2.8
Max. output (kW)	3.0
Dimensions(mm)	685X430X495
zero load-full load) [dB(A)/1m]	63-73
Net weight(kg)	57.5

## PRODUCT FEATURES



### Lightweight Portable

The alternator is connected directly to the engine, eliminating the weight of the flywheel.



### Unique Structure Utilizing The Latest Technology

The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



### Certification

USRpower digital gensets have received EPA, CE certification.



### Green Power System

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



### Quality Power

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

## EV30i - LPG Double fuel Gasoline LPG(Liquefied Petroleum Gas)

Dual fuel inverter generator for some countries is rich in LPG (Liquefied Petroleum Gas) and natural gas, USR company came out with dual fuel inverter generators to adapt to different market demand, dual fuel inverter generator can through the fuel switch fuel, gas oil can be used alone, also can be used alone liquefied petroleum gas or natural gas. Use liquid gas or day when gas generator output power and use same gasoline, but more fuel saving cost.

USRpower Digital Pure Sine wave **PSW** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipments.



- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



## PRODUCT FEATURES



### Lightweight Portable

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The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



### Certification

USRpower digital gensets have received EPA, CE certification.



### Green Power System

The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



### Quality Power

USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

## EV65i - LPG

Double fuel  
Gasoline  
LPG(Liquefied Petroleum Gas)

Dual fuel inverter generator for some countries is rich in LPG (Liquefied Petroleum Gas) and natural gas, USR company came out with dual fuel inverter generators to adapt to different market demand, dual fuel inverter generator can through the fuel switch fuel, gas oil can be used alone, also can be used alone liquefied petroleum gas or natural gas. Use liquid gas or day when gas generator output power and use same gasoline, but more fuel saving cost.

USRpower Digital Pure Sine wave **PSW** master Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sinewave generators can run sensitive electronic equipments.

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



### EV65i-LPG Inverter generator



#### EV65i-LPG

Rated frequency (Hz)	50/60
Rated output (kW)	5.5
Max. output (kW)	6.0
Dimensions(mm)	802X495X655
zero load-full load) [dB(A)/1m]	65-75
Net weight(kg)	97



## PRODUCT FEATURES



**Lightweight Portable**  
The alternator is connected directly to the engine, eliminating the weight of the flywheel.



**Unique Structure Utilizing The Latest Technology**  
The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.



**Certification**  
USRpower digital gensets have received EPA, CE certification.



**Green Power System**  
The USRpower Digital Pure Sine wave PSW™ master Series is among the most environmental friendly class of generators in the marketplace.



**Quality Power**  
USRpower applies inverter technology to the Digital Pure Sine wave PSW™ master Series generators to produce pure sine wave AC output.



**A Wide Range of Benefits**  
In addition to clean, quiet, and efficient power, USRpower offers superior overload and low oil level protection to all digital generators.

**LPG INVERTER  
GENERATOR  
28/29**



We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



Generator Set

**Tri-fuel** LPG  
Natural Gas  
Gasoline

- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



	USR8-LPG	USR10-LPG	USR15-LPG
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kW)	8.0	8.0	8.0
Max. output (kW)	10.0	10.0	10.0
Dimensions(mm)	1160X720X920	1160X720X920	1160X720X920
zero load-full load) [dB(A)'1m]	56-67	56-67	56-67
Net weight(kg)	296	310	330



	USR20-LPG	USR25-LPG	USR30-LPG
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kW)	8.0	8.0	8.0
Max. output (kW)	10.0	10.0	10.0
Dimensions(mm)	1160X720X920	1160X720X920	1160X720X920
zero load-full load) [dB(A)'1m]	56-67	56-67	56-67
Net weight(kg)	370	430	560

## Technical Data



Generating set		EV10i-LPG		EV20i-LPG	
Rated frequency	Hz	50	60	50	60
Prime power	kW	0.9		1.8	
Standby power	kW	1		2	
Rated voltage	V	230	120/240	230	120/240
Rated current	A	3.9	7.5/3.75	7	13.3/6.7
Rated rotation speed	r/min	5500		4500	
DC output		12V-5.0A		12V-5.0A	
Generator type		USR10		USR20	
Power factor	COSΦ	0.98		0.98	
Phase number		Single phase		Single phase	
Engine					
Engine type		GXH50		GX100	
Structure type		Single cylinder, in-lined, 4-stroke,air cooled, overhead valve		Single cylinder, in-lined, 4-stroke,air cooled, overhead camshaft	
Bore×stroke	mm	43.5×36		58×40	
Displacement	L	0.0535		0.1056	
Compression ratio		8.5:1		8.5:1	
Rated power	KW/(r/min)	1.3/5500		2.2/4500	
Lube oil brand		AboveSF SAE 10W-30a 15W-40		AboveSF SAE 10W-30a 15W-40	
Lube capacity	L	0.2		0.4	
Lgnition system		T.C.I		T.C.I	
Spark plug		UR5		UR5	
Starter system		Recoil starter		Recoil starter	
Battery capacity		-		-	
Fuel type		Vehicle lead-free petrol		Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	420		420	
Genset					
Fuel consumptom	g/KW.h	550		550	
Fuel tank capacity	L	2.5		4	
Continuous running time(hr)(rated output)	h	5		3	
Noise(unload-full load)	dB(A)1m	54-59		61-73	
Overall dimension	mm	450X250X370		520X270X425	
		-		-	
Net weight	kg	14		22	
Structure type		Portable, silent		Portable, silent	

## Technical Data



Generating set		EV30i-LPG		EV65i-LPG	
Rated frequency	Hz	50	60	50	60
Prime power	kW	2.8		5.5	
Standby power	kW	3		6	
Rated voltage	V	230	120/240	230	120/240
Rated current	A	12.2	23.3/11.7	23.9	45.8/22.9
Rated rotation speed	r/min	3600		3600	
DC output		12V-5.0A		12V-5.0A	
Generator type		USR30		USR65	
Power factor	COSΦ	0.98		0.98	
Phase number		Single phase		Single phase	
Engine					
Engine type		F168		F188	
Structure type		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve	
Bore×stroke	mm	68×54		88×64	
Displacement	L	0.196		0.389	
Compression ratio		8.5:1		8.5:1	
Rated power	KW/(r/min)	4/3600		7.7/3600	
Lube oil brand		Above SF SAE 10W-30 15W-40		Above SF SAE 10W-30 15W-40	
Lube capacity	L	0.6		1.1	
Lgnition system		T.C.I		T.C.I	
Spark plug		WR7DC		WR7DC	
Starter system		Recoil starter, electric system		Electric system	
Battery capacity		12V-8Ah		12V-11Ah	
Fuel type		Vehicle lead-free petrol		Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	395		374	
Genset					
Fuel consumptom	g/KW.h	500		500	
Fuel tank capacity	L	13		22	
Continuous running time(hr)(rated output)	h	6.7		6	
Noise(unload-full load)	dB(A)1m	63-73		65-75	
Overall dimension	mm	685×430×495		802×495×655	
		-		-	
Net weight	kg	57.5		97	
Structure type		Silent		Silent	

## Technical Data



Generating set		USR8-LPG		USR10-LPG		USR15-LPG	
Rated frequency	Hz	50	60	50	60	50	60
Rated power	KW	8	8	10	11	15	16
Max. output	KW	10	10	12	13	18	19
Rated voltage	V	230	120/220	400/230	415/240	415/230	415/240
Rated current	A	35	67/36	25/43	26/45	36/43	38/67
Rated rotation speed	r/min	3000		3000		3000	
<b>Generator</b>							
Generator type		KFS8		KFS10		KFS15	
Motor type/frequency type				Multipole Rb-Fe-B permanent magnet /IGBT digital frequency			
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	0.8		0.8		0.8	
Insulation grade		H		H		H	
<b>Engine</b>							
Engine type		LJ465QE		LJ465QE		LJ465QE	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	65.5×72		65.5×72		65.5×72	
Displacement	L	0.97		0.97		0.97	
Compression ratio		8.8:1		8.8:1		8.8:1	
Rated power	KW/(r/min)	34.7/3000		34.7/3000		34.7/3000	
Water-cooled water capacity	Generator	L 3		L 3		L 3	
	Radiator tank	L 2.5		L 2.5		L 2.5	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	8.5		8.5		8.5	
Starter system		12V Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	12V 1.4KW		12V 2.8KW		12V 2.8KW	
Charging generator capacity	V-A	14V 20A		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-65Ah		12V-65Ah		12V-65Ah	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
<b>Genset</b>							
Nosie level(7m)	dB(A)	56		53		56	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	1160×720×920		1160×720×920		1160×720×920	
Net weight	kg	296		310		330	

## Technical Data



Generating set		USR20-LPG		USR25-LPG		USR30-LPG	
Rated frequency	Hz	50	60	50	60	50	60
Rated power	KW	20	22	25	27	30	32
Max. output	KW	23	24	28	30	32	34
Rated voltage	V	415/230	415/240	415/230	415/240	415/230	415/240
Rated current	A	50/86	53/95	60/108	65/112	72/130	77/133
Rated rotation speed	r/min	3000		3000		3000	
<b>Generator</b>							
Generator type		KFS20		KFS25		KFS30	
Motor type/frequency type				Multipole Rb-Fe-B permanent magnet /IGBT digital frequency			
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	0.8		0.8		0.8	
Insulation grade		H		H		H	
<b>Engine</b>							
Engine type		LJ470QE		LJ491QE		LJ4Y	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	58×75		59×73		65.5×72	
Displacement	L	0.97		0.97		0.97	
Compression ratio		8.8:1		8.8:1		8.8:1	
Rated power	KW/(r/min)	40/3000		45/3000		55/3000	
Water-cooled water capacity	Generator	L 3		L 3		L 3	
	Radiator tank	L 2.5		L 2.5		L 2.5	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	8.5		8.5		8.5	
Starter system		12V Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	12V 1.4KW		12V 2.8KW		12V 2.8KW	
Charging generator capacity	V-A	14V 20A		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-65Ah		12V-65Ah		12V-65Ah	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
<b>Genset</b>							
Nosie level(7m)	dB(A)	56		56		56	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	1530×820×920		1560×860×950		1580×860×950	
Net weight	kg	350		430		560	

# NON STOP POWER GENERATING SYSTEMS

## GENERATING SYSTEMS

Non STOP POWER means power supply never intermittent or stop, this is USR company research and development of the patented product. When the public power (mains) stop or discontinuity, NSPc control chip detection to the public electric has stopped power supply, UPS power supply for NSPc issue commands, and the launch of the generator. Once the public electric power supply NSPc will stop generator power and automatically switch to public electricity, the power supply switch process and no need to manually, and computers and all the equipment running normally.

## Energy-saving 25%

# 1

USRpower applies an "Intelligent Energy Saving Mode" which will adjust engine speed according to the load requirement. It will reduce fuel consumption by up to 25%.



# 2

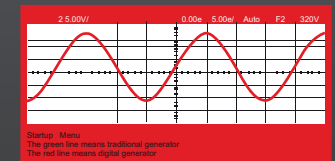
## Low noise design

Low noise design is optimized for efficiency resulting in a clean digital generator.

# 3

## pure sine wave output

High quality pure sine wave electrical output Ideal for sensitive loads like computers, HD TV sets and microprocessor controlled appliances.



## Popular uses:

Run an air conditioner, refrigerator, microwave oven or portable heater. On the job site, run a router, drill, sander, or air compressor.



We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.



### NSP30i/NSP65i Non Stop Power Generating Systems



	NSP30i	NSP65i
Rated frequency (Hz)	50/60	50/60
Rated output (kW)	2.8	5.5
Max. output (kW)	3.0	6.0
Dimensions(mm)	685X430X495	802X495X655
zero load-full load) [dB(A)/1m]	63-73	65-75
Net weight(kg)	57	96.5
Control UPS size(mm)	248X500X616	248X500X616
Weight of Control UPS(kg)	53	67.5

**NON STOP  
POWER  
36/37**






- ▶ Start The Generator In One Minute
- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



## NSP30i NSP65i NON STOP POWER GENERATING SYSTEMS

Non STOP POWER means power supply never intermittent or stop, this is USR company research and development of the patented product. When the public power (mains) stop or discontinuity, NSPc control chip detection to the public electric has stopped power supply, UPS power supply for NSPc issue commands, and the launch of the generator. Once the public electric power supply NSPc will stop generator power and automatically switch to public electricity, the power supply switch process and no need to manually, and computers and all the equipment running normally.

### PRODUCT FEATURES

- 
**Control Core**  
 MCU Chip control precision detection of current and voltage, to ensure in the shortest time to realize the automatic switching and provide Non Stop Power.
- 
**Durable battery**  
 Strong UPS continued electricity function.
- 
**More Economy**  
 Engine running speed varies with the load resulting in higher fuel economy and prolonged engine service life. Compared with USRpower conventional generators, USRpower inverters reduce fuel consumption by up to 40%. Users benefit by a much lower cost of operation.
- 
**Application**  
 For the banking, telecommunications, radio stations, hotels, and companies to provide Non Stop Power.
- 
**Complete Protection**  
 Low oil pressure, high coolant temperature, over and under voltage, short circuit, and incorrect battery connection- these protections are integrated into each set and ensure long, safe, and reliable operation.

# THE INTERNET ROOM



We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.

## NSP80i/NSP100i Non Stop Power Generating Systems



	NSP80i	NSP100i
Rated frequency (Hz)	50/60	50/60
Rated output (kW)	5.5	9.5
Max. output (kW)	6	10.5
Dimensions(mm)	934X564X750	1250X650X800
zero load-full load) [dB(A)/1m]	65-72	66
Net weight(kg)	189	285
Control UPS size(mm)	1003X610X622	1003X610X622
Weight of Control UPS(kg)	90	95

- ▶ Start The Generator In One Minute
- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment



**NON STOP  
POWER  
38/39**

## PRODUCT FEATURES



**Control Core**  
MCU Chip control precision detection of current and voltage, to ensure in the shortest time to realize the automatic switching and provide Non Stop Power.



**Durable battery**  
Strong UPS continued electricity function.



**More Economy**  
Engine running speed varies with the load resulting in higher fuel economy and prolonged engine service life.  
Compared with USRpower conventional generators, USRpower inverters reduce fuel consumption by up to 40%. Users benefit by a much lower cost of operation.



**Application**  
For the banking, telecommunications, radio stations, hotels, and companies to provide Non Stop Power.



**Complete Protection**  
Low oil pressure, high coolant temperature, over and under voltage, short circuit, and incorrect battery connection- these protections are integrated into each set and ensure long, safe, and reliable operation.

# NSP80i NSP100i

## NON STOP POWER GENERATING SYSTEMS

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## FOR THE ELEVATOR

**NON STOP  
POWER  
40/41**

- ▶ Start The Generator In One Minute
- ▶ Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ▶ Advanced inverter technology provides reliable power for computers and other sensitive equipment

# NSPI50i~ NSP500i

## NON STOP POWER GENERATING SYSTEMS

NON STOP POWER means power supply never intermittent or stop, this is USR company research and development of the patented product. When the public power (mains) stop or discontinuity, NSPc control chip detection to the public electric has stopped power supply, UPS power supply for NSPc issue commands, and the launch of the generator. Once the public electric power supply NSPc will stop generator power and automatically switch to public electricity, the power supply switch process and no need to manually, and computers and all the equipment running normally.



## PRODUCT FEATURES



### Control Core

MCU Chip control precision detection of current and voltage, to ensure in the shortest time to realize the automatic switching and provide Non Stop Power.



### Durable battery

Strong UPS continued electricity function.



### More Economy

Engine running speed varies with the load resulting in higher fuel economy and prolonged engine service life. Compared with USRpower conventional generators, USRpower inverters reduce fuel consumption by up to 40%. Users benefit by a much lower cost of operation.



### Application

For the elevator, banking, telecommunications, radio stations, hotels, and companies to provide Non Stop Power.



### Complete Protection

Low oil pressure, high coolant temperature, over and under voltage, short circuit, and incorrect battery connection—these protections are integrated into each set and ensure long, safe, and reliable operation.

We wish to develop technologies to improve our lives. USRpower is always on the move to achieve that dream.

## NSP150i~NSP500i Non Stop Power Generating Systems



	NSP150i	NSP200i
Rated frequency (Hz)	50/60	50/60
Rated output (kW)	14.5	19.5
Max. output (kW)	16	21
Dimensions(mm)	1500X780X1000	1600X780X1050
zero load-full load) [dB(A)/1m]	68	68
Net weight(kg)	500	635
Control UPS size(mm)	800X560X1140	800X500X1400
Weight of Control UPS(kg)	248	400

	NSP240i	NSP300i	NSP400i	NSP500i
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kW)	24	28	37	46
Max. output (kW)	26	31	40	50
Dimensions(mm)	1900*950*1200	1900*950*1200	2250*950*1300	-
zero load-full load) [dB(A)/1m]	51-53	51-53	51-53	-
Net weight(kg)	960	985	1270	-
Control UPS size(mm)	800*560*1400	850*950*1800	900*1200*1800	900*1200*1800
Weight of Control UPS(kg)	400	580	900	1200



## Technical Data

Generating set		NSP30i		NSP65i	
Rated frequency	Hz	50	60	50	60
Prime power	KW	2.8		5.5	
Standby power	KW	3		6	
Rated voltage	V	230	120/240	230	120/240
Rated current	A	12.2	23.3/11.7	7	13.3/6.7
Rated rotation speed	r/min	3600		3600	
DC output		12V-5.0A		12V-5.0A	
Generator type		KD35		KD70	
Power factor	COSΦ	1		1	
Phase number		Single phase		Single phase	
Engine					
Engine type		KG205GETI		KG390GETI	
Structure type		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve		Single cylinder, 4-stroke,air cooled, cylinder inclined, overhead valve	
Bore×stroke	mm	68×54		88×64	
Displacement	L	0.196		0.389	
Compression ratio		8.5:1		8.5:1	
Rated power	KW/(r/min)	4/3600		7.7/3600	
Lube oil brand		Above SF SAE 10W-30 15W-40		Above SF SAE 10W-30 15W-40	
Lube capacity	L	0.6		1.1	
Lgnition system		T.C.I		T.C.I	
Spark plug		WR7DC		WR7DC	
Starter system		Recoil starter, electric system		Electric system	
Battery capacity		12V-8Ah		12V-11Ah	
Fuel type		Vehicle lead-free petrol		Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	395		374	
Genset					
Fuel consumption	g/KW.h	500		500	
Fuel tank capacity	L	13		22	
Continuous running time(hr)(rated output)	h	6.7		6	
Noise(unload-full load)	dB(A)1m	63-73		65-75	
Overall dimension	mm	685×430×495		802×495×655	
		-		-	
Net weight	kg	57		96.5	
Structure type		Silent		Silent	



## Technical Data

Generating set		NSP80i		NSP100i		NSP150i	
Rated frequency	Hz	50	60	50	60	50	60
Prime power	KW	5.5		9.5		14.5	
Standby power	KW	6		10.5		16	
Rated voltage	V	115/230	120/240	115/230	120/240	115/230	120/240
Rated current	A	47.8/23.9	45.8/22.9	82.6/41.3	79.2/39.6	126/63	121/60.4
Rated rotation speed	r/min	1700-3300		1700-3000		1500-2400	
Generator							
Generator type		KD70		KD100		KD150	
Motor type/frequency type		Outer rotor multipole permanent magnet motor/IGBT digital frequency switch		Multipole Rb-Fe-B permanent magnet /IGBT digital frequency			
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	1		1		1	
Insulation grade		F		H		H	
Engine							
Engine type		KD188FGETI		KD373GTI		KD388GTI	
Structure type		Single-cylinder,4 stroke, air cooled,direct-injected		3-cylinder,in-lined, water-cooled, 4-stroke, turbo charged		3-cylinder,in-lined, water-cooled, 4-stroke, direct-injected	
Bore×stroke	mm	88×86		3-73×78		3-88×90	
Displacement	L	0.523		0.979		1.642	
Compression ratio		19:1		22.5:1		18.2:1	
Rated power	KW/(r/min)	7.0/3300		13.3/3000		19.6/2400	
Water-cooled water capacity	Generator	L		0.925		1.87	
	Radiator tank	L		3.1		3.25	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	1.65		4.5		6.9	
Starter system		Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	-		12V 1.5KW		12V 1.4KW	
Charging generator capacity	V-A	-		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-36Ah		12V-45Ah		12V-65Ah	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
Genset							
Nosie level(7m)	dB(A)	65-72		66		68	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	934×564×750		1250×650×800		1500×780×1000	
Net weight	kg	189		285		500	



## Technical Data

Generating set		NSP200i		NSP240i		NSP300i	
Rated frequency	Hz	50	60	50	60	50	60
Prime power	KW	19.5		24	28	28	35
Standby power	KW	21		26	30	31	38
Rated voltage	V	115/230	120/240	400/230	416/240	400/230	416/240
Rated current	A	169.6/84.8	162.5/81.3	34.6	38.9	40.4	48.6
Rated rotation speed	r/min	1500-2400		1500	1800	1500	1800
<b>Generator</b>							
Generator type		KD200		KFS35	KFS35		
Motor type/frequency type		Multipole Rb-Fe-B permanent magnet /IGBT digital frequency					
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	1		0.8		0.8	
Insulation grade		H		H		H	
<b>Engine</b>							
Engine type		KD488GTI		KM493G		KM493ZG	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	4-88×90		93×102		93×102	
Displacement	L	2.19		2.771		2.771	
Compression ratio		18.2:1		18.4:1		18.2:1	
Rated power	KW/(r/min)	26.2/2400		23.2		30	
Water-cooled water capacity	Generator	L		2.29		3.9	
	Radiator tank	L		3.7		8	
Lubrication system		Pressure splashed		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	8.5		8.5		8.5	
Starter system		12V Electric system		12V Electric system		12V Electric system	
Starting motor capacity	V-KW	12V 1.4KW		12V 2.8KW		12V 2.8KW	
Charging generator capacity	V-A	14V 20A		14V 20A		14V 20A	
Battery capacity	V-Ah	12V-65Ah		12V 80Ah×1		12V 80Ah×1	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)					
<b>Genset</b>							
Nosie level(7m)	dB(A)	68		51		53	
Structure type		Silent		Silent		Silent	
Overall dimension	mm	1600×780×1050		1900×950×1200		1900×950×1200	
Net weight	kg	635		960		985	



## Technical Data

Generating set		NSP400i		NSP500i	
Rated frequency	Hz	50	60	50	60
Prime power	KW	37	45	46	56
Standby power	KW	40	48	50	61.3
Rated voltage	V	400/230	416/240	400/230	416/240
Rated current	A	53.4	62.5	67.1	78.4
Rated rotation speed	r/min	1500	1800	1500	1800
<b>Generator</b>					
Generator type		KFS45		KFS50	
Motor type/frequency type					
Circuit mode		Single phase, 3 circuit		Single phase, 3 circuit	
Power factor	COSΦ	0.8		0.8	
Insulation grade		H		H	
<b>Engine</b>					
Engine type		Kd498		KD498Z	
Structure type		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected		4-cylinder,in-lined, water-cooled, 4-stroke, direct-injected, supercharge	
Bore×stroke	mm	105×125		98×111	
Displacement	L	4.33		3.349	
Compression ratio		17.5:1		18.5:1	
Rated power	KW/(r/min)	40.2		47.6	
Water-cooled water capacity	Generator	L		6.1	
	Radiator tank	L		10.4	
Lubrication system		Pressure splashed		Pressure splashed	
Lube oil brand		Above CD SAE 10W-30 15W-40		Above CD SAE 10W-30 15W-40	
Lube capacity	L	11		11	
Starter system		24V Electric system		12V Electric system	
Starting motor capacity	V-KW	24V 3.7KW		12V 2.8KW	
Charging generator capacity	V-A	28V 35A		12V 50A	
Battery capacity	V-Ah	12V 80Ah×2		12V 80Ah×1	
Fuel type		Engine fuel consumption:0#(summer)-10#(winter)-35#(cold)			
<b>Genset</b>					
Nosie level(7m)	dB(A)	51		53	
Structure type		Silent		Silent	
Overall dimension	mm	2250×950×1300		-	
Net weight	kg	1270		-	