



***ej* ELLIOTT  
POWER  
SYSTEMS, INC.**



**MICRO POWER SYSTEMS  
GENERATOR SETS**

**“WE POWER YOUR WORLD”<sup>®</sup>**



# Elliott Micro Power Systems for Small Commercial, Industrial and Residential Customers.

## Elliott Quality

Elliott Power Systems understands the stringent needs of today's small Commercial, Industrial and Residential customers. To fill that need we have deployed the same state of the art technologies, development and system testing that we do for our larger generator sets, resulting in a product that has superior quality and reliability.

## Quiet Engineering

At Elliott Power Systems, we understand the strict noise requirements of our customers. We have selected proven design methods and combined them with our innovative engineering concepts to provide not only an enclosure that will protect your investment from the environment but one that is the quietest in it's class. Our standard attenuated package will help you meet today's stringent noise emissions regulations with sound levels as low as 63 dba.

## State of the Art Performance

For a generator to be advanced enough for today's back up power needs, it must have a sophisticated micro-processor controlled logic center. Our control center monitors the incoming utility voltage.

If the voltage drops below a preset expectable level or drops off completely the micro power system is automatically turned on so that your power interruption is kept to a minimum. When the utility voltage achieves acceptable levels the micro power system is turned off and your power needs returned to the utility grid. The control center incorporates a latching display for warnings and shut downs such as.

- High Engine Temp
- Low Oil Pressure
- Under Speed
- Over Speed
- Low Oil Level
- Over Crank
- Low Fuel Level (*On Diesel Only*)
- Under Frequency
- Under Voltage
- Low/High Battery Voltage
- Maintenance Intervals
- No Load Exercise Time

Our micro-processor control center will assure greater reliability and service, which means that power will be there any time you have a need.





# Elliott Micro Power Systems Provide Safety, Protection, Security & Peace of Mind.

## Dependable Protection

The EPS Micro Power System can be your best protection against power failures by your utility or in case of power outage due to natural or unforeseen disasters such as earthquakes, tornadoes, hurricanes, thunderstorms or ice storms. When your home or business depends on uninterrupted power for refrigeration, computers, microprocessor based office equipment, communications, heating, air-conditioning, machinery, water and most of all security, then don't depend on luck to keep you powered up, call your local EPS distributor for a Micro Power System to protect your home or small business.

## A Network of Service and Support

EPS has strategically located its distribution network throughout the entire US and Canada, to provide optimum sales and service support to you, the customer.

These distributors form a network of service and product support specialists that means twenty four hours, seven days a week, trouble free operation. When you need them they will respond.

The service and sales personnel at our distributors have been trained, certified and equipped with the latest tools and monitoring equipment so that your problem is quickly diagnosed and identified.

## Factory Warrantied Parts

Each distributor carries a full parts inventory which is backed up by the EPS factory with multi million dollars of inventory so downtime is kept to a minimum and your equipment is back in service in a minimal amount of time.

## The Elliott Team

EPS and its Distributors, OEMs and Integrators form a team of highly trained experts, that understand your power requirements, whether your need is for engineered power products, systems, installation or service. Our team is experienced and committed to fulfilling your needs.





# Elliott Micro Power System Generator Sets Technical Specifications

MODEL # FUEL TYPE	MPSG10		MPSG12		MPSG19		MPSG20	
	PROPANE VAPOR	NATURAL GAS	PROPANE VAPOR	NATURAL GAS	PROPANE VAPOR	NATURAL GAS	PROPANE VAPOR	NATURAL GAS
ELECTRICAL STANDBY SURGE OUTPUT RATING	9.6 KW	8.6 KW	12 KW	10.8 KW	19KW	17KW	20KW	18KW
CONTINUOUS STANDBY ELECTRICAL OUTPUT	8.2 KW	7.4 KW	10.8 KW	9.7 KW	17KW	15KW	18KW	16KW
VOLTAGE	120/240	120/240	120/240	120/240	120/240	120/240	120/208/240/416	120/208/240/416
AMPERAGE	80/40	70/35	100/50	90/45	158/79	142/71	120/69/60/35	108/63/54/31
CIRCUIT BREAKER SIZE	40 Amp, 2 Pole	40 Amp, 2 Pole	40 Amp, 2 Pole	40 Amp, 2 Pole	80 Amp, 2 Pole	80 Amp, 2 Pole	80 Amp, 3 Pole	80 Amp, 3 Pole
ENGINE MFG.	KOHLER-18	KOHLER-18	KOHLER-25	KOHLER-25	TOFAS 1.6L	TOFAS 1.6L	TOFAS 1.6L	TOFAS 1.6L
ENGINE HP @ RATED R.P.M.	17HP @ (3600)	14HP @ (3600)	23HP @ (3600)	18HP @ (3600)	38HP @ (2400)	34HP @ (2400)	38HP @ (2400)	34HP @ (2400)
ENGINE DISPLACEMENT	624 CC	624 CC	725 CC	725 CC	1600 CC	1600 CC	1600 CC	1600 CC
CYLINDERS	2	2	2	2	4	4	4	4
COOLING SYSTEM	AIR	AIR	AIR	AIR	WATER	WATER	WATER	WATER
FUEL CONSUMPTION AT FULL LOAD	7.46 (3.4) lbs./hr.(kg./hr.)	155 (4.4) CFH(cu.m./hr)	10 (4.5) lbs./hr.(kg./hr.)	194 (5.5) CFH(cu.m./hr.)	15.69 (6.17) lbs./hr.(kg./hr.)	311 (8.8) CFH(cu.m./hr.)	15.69 (6.17) lbs./hr.(kg./hr.)	311 (8.8) CFH(cu.m./hr.)
SOUND LEVEL @ 23 FT, 7 M, NO LOAD	63 dBA	63 dBA	63 dBA	63 dBA	71 dBA	71 dBA	71 dBA	71 dBA
DRY WEIGHT lbs. (Kg.)	551 (250)		557 (253)		1100 (500)		1100 (500)	
BASIC FOOT PRINT L x W x H	43.5 x 21.25 x 36.5		43.5 x 21.25 x 36.5		71 x 27 x 37.5		71 x 27 x 37.5	

MODEL # FUEL TYPE	MPSD12	MPSD17	MPSD18	MPSD21	MPSD22
	NO. 2 DIESEL	NO. 2 DIESEL	NO. 2 DIESEL	NO. 2 DIESEL	NO. 2 DIESEL
ELECTRICAL STANDBY SURGE OUTPUT RATING	12 KW	17KW	18KW	21KW	22KW
CONTINUOUS STANDBY ELECTRICAL OUTPUT	10.4 KW	15KW	16KW	19KW	20KW
VOLTAGE	120/240	120/240	120/208/240/416	120/240	120/208/240/416
AMPERAGE	100/50	142/71	108/63/54/31	175/88	132/76/66/38
CIRCUIT BREAKER SIZE	40 Amp, 2 Pole	63 Amp, 2 Pole	80 Amp, 3 Pole	80 Amp, 2 Pole	100 Amp, 3 Pole
ENGINE MFG.	LOMBARDINI	LOMBARDINI	LOMBARDINI	LOMBARDINI	LOMBARDINI
ENGINE HP @ RATED R.P.M.	17.7 HP @ (3600)	28.6HP @ (1800)	28.6 HP @ (1800)	36.7 HP @ (1800)	36.7 HP @ (1800)
ENGINE DISPLACEMENT	871 CC	2068 CC	2068 CC	2068 CC / TURBO	2068 CC / TURBO
CYLINDERS	2	4	4	4	4
COOLING SYSTEM	AIR	WATER	WATER	WATER	WATER
FUEL CONSUMPTION AT FULL LOAD	1.1 (4.2) US gal/hr (Litre/hr)	1.9 (7.2) US gal/hr (Litre/hr)	1.9 (7.2) US gal/hr (Litre/hr)	2.2 (8.5) US gal/hr (Litre/hr)	2.2 (8.5) US gal/hr (Litre/hr)
SOUND LEVEL @ 23 FT, 7 M, NO LOAD	66.7 dBA	70 dBA	70 dBA	70 dBA	70 dBA
DRY WEIGHT lbs. (Kg.)	683 (310)	1272 (577)	1272 (577)	1272 (577)	1272 (577)
DIESEL TANK CAPACITY US gal (litre)	7.1 (27)	23 (87)	23 (87)	23 (87)	23 (87)
BASIC FOOT PRINT L x W x H	43.5 x 21.25 x 36.5		71 x 27 x 37.5		

MPS DERATE FACTORS	
MPSG10 AND 12:	3.5% FOR EVERY 1000 FT (305 METERS) ABOVE SEA LEVEL
	1% FOR EVERY 10 DEG. F (5.5 DEG. C) ABOVE 77 DEG. F (25 DEG. C)
ALL MPSD UNITS AND G19-20:	2% FOR EVERY 328 FT (100 METERS) ABOVE SEA LEVEL
	2% FOR EVERY 10 DEG. F (5.5 DEG. C) ABOVE 68 DEG. F (20 DEG. C)

NOTE: IF ORDERING 480V 3 PHASE CONNECTION, A TAPPED TRANSFORMER MAY BE NECESSARY. CONSULT FACTORY.

## STANDARD FEATURES INCLUDE:

- SOUND ATTENUATED WEATHERPROTECTIVE ENCLOSURE
- BATTERY CHARGER
- MAIN LINE CIRCUIT BREAKER
- EXHAUST MOUNTED SPARK ARRESTING SCREEN
- STANDARD COLOR # RAL 7035 LIGHT TURBO GRAY

*For more information and the location of the distributor nearest you, please call our Elliott Sales Team at (731) 967-9393 or visit us on the web at: [www.elliottpowersystems.com](http://www.elliottpowersystems.com)*



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