



RESPONSIBLE • RELIABLE • POWER



BEST IN RELIABILITY | BEST IN VALUE | BEST IN SERVICE



Reliability

We build our generators in the USA with the highest quality parts and innovative technology, keeping our customers up and running with uninterrupted power.



Continuous, Prime, or Standby Power

We keep you powered off the grid for days, weeks, months, or years.



30,000 Square-Foot Production Facility

Units assembled at Mesa's facility in Casper, WY, USA.



90,000 Square-Foot Engine Facility

Allows our customers the option to have their engines serviced and rebuilt to Mesa standards.



Weatherproofed Equipment

Our generators power through the harshest weather conditions.



GENERATOR SET SPECS

60 Hz Specs

	70kW	125kW	170kW	250kW	390kW
Genset Information					
Frequency	60 Hz	60Hz	60Hz	60Hz	60Hz
Voltage	480 V	480 V	480 V	480 V	480 V
NG Prime Rating	70 kW 87 kVA	125 kW 156 kVA	170 kW 212 kVA	250 kW 312 kVA	390 kW 488 kVA
LP Prime Rating	70 kW 87 kVA	105 kW 131 kVA	125 kW 156 kVA	225 kW 281 kVA	*315 kW 394 kVA
Rated Amps (FLA)	105 A	187 A	255 A	375 A	*586 A
Genset Dimensions (in.)	272 x 87 x 116	272 x 87 x 116	272 x 87 x 116	260 x 103 x 124	260 x 103 x 124
Wet Weight	9,689 lbs	10,029 lbs	10,929 lbs	15,289 lbs	16,989 lbs
Engine Information					
Engine Model	PSI 8.1L	PSI 8.1L	PSI 11.1L	PSI 14.6L	Mesa GV22PU
Nameplate Rating	88 kW 118 hp	150 kW 201 hp	200 kW 268 hp	290 kW 389 hp	434 kW 581 hp
Displacement	8.1 L 492 in ³	8.1 L 492 in ³	11.1 L 673 in ³	14.6 L 891 in ³	21.9 L 1336 in ³
Cylinder Arrangement	6 Cylinders Inline	6 Cylinders Inline	6 Cylinders Inline	8 Cylinders V-type	12 Cylinders V-type

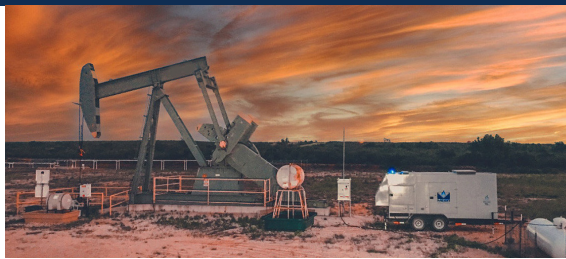
50 Hz Specs

	50kW	105kW	150kW	220kW	TBD
Genset Information					
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Voltage	400 V	400 V	400 V	400 V	400 v
NG Prime Rating	50 kW 62 kVA	105 kW 131 kVA	150 kW 187 kVA	220 kW 275 kVA	340 kW 425 kVA
LP Prime Rating	55 kW 68 kVA	75 kW 93 kVA	105 kW 131 kVA	195 kW 244 kVA	280 kW 350 kVA
Rated Amps (FLA)	90 A	189 A	270 A	396 A	613 A
Genset Dimensions (cm)	696 x 216 x 295	696 x 216 x 295	696 x 216 x 295	739 x 262 x 315	739 x 262 x 315
Wet Weight	4,395 kgs	4,549 kgs	4,957 kgs	6,935 kgs	TBD
Engine Information					
Engine Model	PSI 8.1L	PSI 8.1L	PSI 11.1L	PSI 14.6L	Mesa GV22PU
Nameplate Rating	67 kW 90 hp	131 kW 175 hp	180 kW 241 hp	250 kW 335 hp	TBD
Displacement	8.1 L 492 in ³	8.1 L 492 in ³	11.1 L 673 in ³	14.6 L 891 in ³	21.9 L 1336 in ³
Cylinder Arrangement	6 Cylinders Inline	6 Cylinders Inline	6 Cylinders Inline	8 Cylinders V-type	12 Cylinders V-type



*Estimated numbers.

VARIOUS POWER APPLICATIONS



- Commercial & industrial
- Oilfield & mining operations
- Utility support / energy export
- Emergency response
- Remote community microgrids
- Data centers / crypto mining / high-performance computing
- Multi-voltage switch allows for operation in 480, 240, or 208V output.

THE PERFECT POWER SOLUTION

Circuit Breaker Trailer (CB6)



- 600A motorized disconnects ensure a robust safety operation.
- Individual trailer capacity for power needs up to ~2MW.
- Parallelable with other Circuit Breaker Trailers for site loads up to ~10MW.
- 3200A main breaker provides protection to load side equipment, transformers, customer distribution, drives, etc.
- Advanced telemetry and SCADA integration through RS485.
- Ideal for microgrid solutions requiring six or more generators in parallel.



MESA GENERATOR FUEL CONSUMPTION

Fuel Consumption Rates NG @ 1040 BTU/scf HHV		ELECTRICAL LOAD			
		25%	50%	75%	100%
70kW	NG (mscf/day)	10	13	17	21
	LP (gal/day)	106	143	183	226
125kW	NG (mscf/day)	14	20	27	35
	LP (gal/day)	130	202	274	345
170kW	NG (mscf/day)	17	26	36	46
	LP (gal/day)	161	241	324	412
250kW	NG (mscf/day)	25	39	53	68
	LP (gal/day)	275	414	572	746
350kW	NG (mscf/day)	36	55	76	96
	LP (gal/day)	386	562	768	1004

MESA GENERATOR FUEL SPECIFICATIONS

BTU RANGE: 800-2500

OUR GENERATORS ARE:

- EPA Certified
- Weatherproofed to operate through extreme conditions
- Trailer or skid mounted for temporary mobile or long-term stationary jobs
- Fuel flexible, with automatic fuel switching between natural gas, wellhead gas, propane, CNG, LNG
- Capable to parallel up to and beyond 10MW

ENVIRONMENTAL CONSIDERATIONS

EMISSIONS THRESHOLDS:

VOC:	0.7 g/hp-hr
CO:	2.0 g/hp-hr
NO _x :	1.0 g/hp-hr

AVERAGE EMISSIONS*:

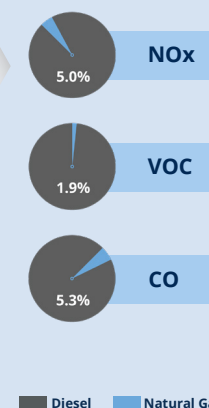
VOC:	0.06 g/hp-hr
CO:	0.56 g/hp-hr
NO _x :	0.23 g/hp-hr

* Average emissions from a survey of all sizes in our fleet.

- ▶ Mesa Natural Gas Solutions provides natural gas generators that are compliant to emissions thresholds of 40 CFR Part 60 Sub Part JJJJ.
- ▶ All Mesa generators utilize three-way catalysts.
- ▶ All Mesa generators are equipped with full authority Air/Fuel Ratio (AFR) controllers units.

ARE YOU LOOKING FOR A
CLEANER, LESS EXPENSIVE
WAY TO POWER YOUR
OPERATIONS?

Natural Gas vs. Diesel
Emissions Reductions





AFTER SALES SUPPORT

- Technical & operational support
- Training programs
- Part sales support
- Engine rebuilds
- Warranty programs and support

TELEMETRY

Mesa's proprietary telemetry is redefining the power generation landscape. By placing real-time data in the hands of our customers, they have the power to use our software as a turnkey fleet management tool. It can be used to control, monitor, optimize, and protect not only your generator fleet, but the equipment it powers getting you closer to 100% operations uptime.

- Access your equipment's data and reports, anytime, anywhere using your smartphone
- Real-time telemetry information and interactive reports
- Operations & Maintenance manuals and spec sheets
- Automated alerts and alarms



- ▶ Engine Data
- ▶ Electrical Data
- ▶ Physical Location
- ▶ Fuel Consumption
- ▶ Real-Time Status
- ▶ Information about 20+ critical parameters

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