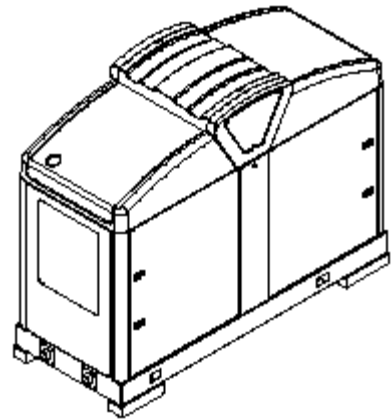


100 kW Standby Generator Package

- Increased power reliability and quality

The **energy|now**® ENI 100 Standby is a prepackaged on site energy system which utilizes a stoichiometric GM natural gas engine. The ENI 100 Standby can eliminate the possibility of black outs to your business.

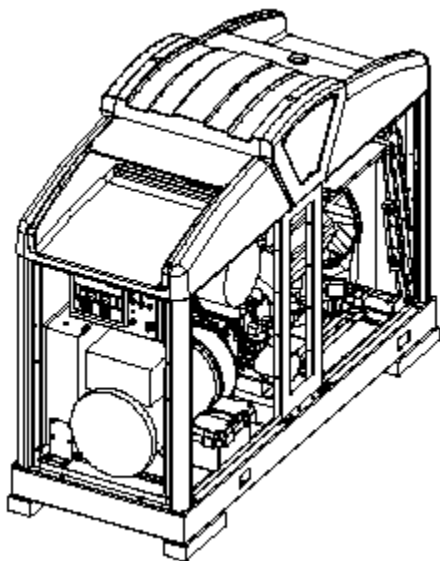


Features

- 8.1 liter GM Industrial Engine
- 277/480 VAC 3 - Phase Power standard
- High efficiency synchronous generator
- Low noise
- Grid parallel capability

Optional Equipment

- 120/208 VAC 3-Phase Power



The ENI 100 Standby package is centered around the proven GM 8.1 liter industrial engine and state of the art controls which enable best in class efficiency. The small footprint of the package allows for easy installation at most locations

*Increase your uptime and
sensed security with the
ENI 100 Standby*

ENGINE SPECIFICATIONS

MAKE GM
 MODEL 8.1 VORTEC
 CYLINDERS V-8
 DISPLACEMENT 496CI (8.1L)
 BORE 4.25IN (108mm)
 STROKE 4.37IN (111mm)
 COMPRESSION RATION 9.1:1
 INTAKE AIR Naturally Aspirated
 NUMBER OF MAIN BEARINGs 5
 CONNECTING RODS Forged
 PISTONS Hypereutectic
 CRANKSHAFT High-density nodular iron

VALVE TRAIN

LIFTER Hydraulic Roller
 Intake Valve Stellite
 Exhaust Valve Stellite
 Valve Seats Hardened

LUBRICATION

OIL PUMP OEM Gear Driven
 FILTER Spin On
 CRANKCASE CAPACITY 14 quarts

FUEL SYSTEM

NATURAL GAS Standard
 CARBURETOR Woodward 475
 FUEL REGULATOR Maxitrol
 AUTOMATIC FUEL LOCKOFF ASCO
 OPERATING FUEL PRESSURE 0.5 PSIG

COOLING SYSTEM

TYPE Pressurized Mechanical drive
 WATER PUMP Pre-lubed self-sealing

ENGINE GOVERNOR

ELECTRONIC eControls
 EGCP-2 Customer Interface Standard

ELECTRICAL SYSTEM

BATTERY CHARGER 3amp @ 12VDC
 STARTER 12V
 GROUND POLARITY Negative

GENERATOR SPECIFICATIONS

TYPE Synchronous
 WIRING 12 Lead
 TOTAL HARMONIC DISTORTION <3%
 ALTERNATOR Self-ventilated and drip-proof
 BEARINGS Single Bearing
 LOAD CAPACITY 100%

EXCITATION SYSTEM

BRUSHLESS 12-lead re-connectable
 Magnetically coupled DC current

REGULATION

SOLID STATE Steady State +/-0.5%
 MAXIMUM UNBALANCE CONTINUOUS 3.00%
 MAXIMUM UNBALANCE STANDBY 5.00%

TEMPERATURE RISE

MAXIMUM RISE CONTINUOUS NEMA 105 C
 MAXIMUM RISE STANDBY NEMA 105 C

OPERATING

STANDBY
 277/480 3-phase .8pf 100KW
 FUEL CONSUMPTION 1529ft³/hr
 EXHAUST FLOW 1262lb/hr
 EXHAUST TEMP 1260F
 Speed 2540RPM

SYSTEM FEATURES

TOUCH SCREEN DISPLAY FOR GENERATOR OPERATING
 PARAMETERS AND DIAGNOSTICS

UTILITY SYNCHRONIZING CONTROLS
 GRID PARALLEL CAPIBILITIES
 STORED ENERGY TYPE GENERATOR CIRCUIT BREAKER

WEATHERPROOF 9' ENCLOSURE
 FULL ONBOARD LUBRICATING OIL
 LOW NOISE
 HOSPITAL GRADE ENGINE EXHAUST SILENCER
 CABINET VENT FAN
 FULLY LOCKABLE

Dimensions	ENI 100
Height	86" (2184 mm)
Length	112" (2845 mm)
Width	44" (1118 mm)
Weight	5400lb (2449 KG)

