

	Structural	Configuration	Specification Text
1	1	1,	System Configuration
2	1.1	1,	System Description
4		1,	DG08V1600B2N DS400 wo / Tank
5		1,	Application 60Hz Standby
6	1.2	1,	Cooling System
10		1,	50 Deg C Cooling System -Closed loop, liquid cooled, with radiator factory mounted on engine-generator integral engine-driven coolant pump
13	1.3	1,	Circuit Breaker
30		1,	Circuit Breaker Position 1:
34		1,	600 Amp 3 Pole 100% CB SQ-D PGL36060CU31A
41		1,	LI Trip Breaker: -LI breakers provide protection from long time overload and instantaneous overload current values and time delays vary with breaker type and trip
45		1,	Circuit Breaker Mounted Right Side
59		1,	Circuit Breaker #1 Accessories:
82		1,	Standard Breaker Wire Scheme: -Phase 1 (A) is Black label "L1" -Phase 2 (B) is Red label "L2" -Phase 3 (C) is Blue label "L3" -Neutral is White label "NEU"
84	1.4	1,	Starting System
90		1,	Battery Rack Only -Shipped with Battery Rack only (no battery included)
98		1,	Battery Charger: NRG 22-10-RCLS
99		1,	Battery Charger Mounted & AC/DC Wired *Note* - This option will be factory-wired to the distribution panel (if selected)
108		1,	Coolant Preheater --20 Deg F Coolant Preheater (208V 1PH - 4000W) -Model: CL140810-200 -Qty 1 All water heaters have the AC connection wired to the distribution panel (if distribution panel is selected on order) EXCEPT for 480V or 3 phase water heaters.
113	1.5	1,	Genset Enclosure
118		1,	Level 1 Weather-protective enclosure constructed of heavy gauge steel or aluminum with fixed stormproof panels designed for 130 mph wind load rating. Enclosure consists of a bolted and welded construction with unit-mounted internal silencer included. Hinged, lockable double-door access on both sides of the enclosure.
120		1,	Weather Proof Enclosure - Steel
126		1,	130mph Wind Rated Steel
139		1,	Intake Louver (Steel)
148	1.6	1,	Vibration Isolation
154		1,	SUA46908 Pad Isolators • ¼ inch thick elastomeric pad in rectangular shape placed under the base frame at each of the pre-drilled isolator mounting holes
156	2	1,	Engine Configuration
157	2.1	1,	Engine System
161		1,	EPA Certification Tier Level: Tier 3
162		1,	Engine Model: MTU 8V1600G80S
164	2.2	1,	Exhaust System
175		1,	Unit-Mounted Silencer 6" -Silencer Model: CPJS-06X-90031273 (RH) -Silencer Model: CPJS-06X-90041272 (LH) -Qty 1 each
178	2.3	1,	FUEL SYSTEM
184		1,	No Fuel Tank
187		1,	No Fuel Cooler
195	2.4	1,	Air Intake System
198		1,	Air Filter (Standard)
199		1,	MTU Air Filter -SUA86885 -Qty 2
201	3	1,	Generator Configuration
202	3.1	1,	Generator system
211	3.2	1,	Generator accessories
215		1,	Generator Model Number: 433PSL7520 (Base Model: 433CSL6220)

Property	Value
Application	Emergency Standby (3D)
Frequency	60 Hz
Generator Voltage	480 V
Phase	3 Phase
Unit Specification	UL2200
IBC Seismic Certification	Without IBC
OSHPD Certification	Without OSHPD
Engine Model	8V1600 G80S (24volts)
Exhaust Emissions (EPA)	EPA Tier 3
Radiator Design Temperature	50°C
Temp Rise	130°
Power Output	400 kW
Full Load Amps	601
Generator Frame and Wire Qty	433/6220 (12 Wire)
Generator Wire Configuration	Wye
OPU/HSD	Level 1 - Standard
Fuel Tank	Without Fuel Tank
Control panel	With Control Panel
Circuit Breaker Options	Single Circuit Breaker
Breaker Wire Color Scheme	Standard Breaker Wire Color Scheme
Paralleling	No Parallel Operation
Acceptance testing	Factory acceptance
Cover photo	1/33046
Country of Operation	USA / Canada
Emission cert. authority	18 US EPA Agency

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220		1,	PMG with DVR 2000E+ • True RMS Sensing - One or Three Phase Connect. Senses 95 to 600 volts $\pm 10\%$ at 50/60 Hertz. Patented circuitry senses true RMS voltage rather than average for superior load regulation.
233		1,	Measuring CT
239	4	1,	Control Panel Configuration
240	4.1	1,	USMKT_S1600_REV2-0418-CONTROL PANEL SYSTEM
249		1,	Circuit Breaker Position 1:
252		1,	Without Ground Fault
280		1,	Control Panel Mounted LH Side
285		1,	(4) Relay Option The 4-relay board includes (4) 10 amp form C relays customizable for user defined functionality requirements. Standard outputs are as follows: 1. Engine Run 2. Engine Run 3. Engine Fail 4. Minor Alarm
289		1,	Remote E-Stop
310		1,	MGC- 2000 Series -MTU Onsite Energy's Digital Genset Controller MGC-2000 series is a highly advanced integrated generator set control system. The MGC-2000 series is perfectly focused, combining rugged construction and microprocessor technology to offer a product that will hold up to almost any environment and flexible enough to meet your application's needs. This device provides generator set control, transfer switch control, metering, protection, and programmable logic in a simple, easy-to-use, reliable, rugged, and cost effective package.
319		1,	No Parallel Operation
324	5	1,	Services and After Sales Supply
325	5.1	1,	Warranty
328		1,	General Terms and Conditions of Sale, Warranty and After Sales Supply Our offer is based on the attached General Terms and Conditions of Sale for MTU Products (Rev. V-601-1803 MUS & MOE) and the Warranty will be the attached Standard Two (2) Year / 3,000 Hour Basic Standby (3D), Prime (3B), and Data Center Continuous Power (DCCP) (3F) Limited Warranty (OE-M-GEN-S-026-1801).
329	6	1,	Miscellaneous
330	6.1	1,	Painting
339		1,	Paint Color: RAL 7001 Grey
343	6.2	1,	Documentation
347		1,	English 1 CD Manual (Standard)
349		1,	Optional Manuals
352		1,	English
354		1,	No CD Format
356		1,	1 Hard Copy
360		1,	No Flash Drive
362		1,	French
364		1,	No CD Format
366		1,	No Hard Copy
368		1,	No Flash Drive
370		1,	Spanish
372		1,	No CD Format
374		1,	No Hard Copy
376		1,	No Flash Drive
377	6.3	1,	Additional Options
392		1,	Fuel Water Separator Mounted RH Side
454	7	1,	Functional Testing
455	7.1	1,	Acceptance Testing
458		1,	Standard Commercial Test
493	8	1,	Shipping Conditions
494	8.1	1,	Shipment
497		1,	Ship unit with fluids installed