# BLUE ST R Power Systems Inc.

Diesel Product Line

208-4160 Volt

MD800-01 60 Hz / 1800 RPM

800 kWe Standby

# Ratings

	208V	240V	480V	600V	4160V
Phase	3	3	3	3	3
PF	0.8	0.8	0.8	0.8	0.8
Hz	60	60	60	60	60
Generator Model	S6L1D-D	S6L1D-D	S6L1D-C	S6L1D-C	MVWI734E
Connection	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE	6 LEAD WYE
kWe	800	800	800	800	800
AMPS	2779	2408	1204	963	139
Temp Rise	125°C / 40°C	125°C / 40°C	125°C / 40°C	125°C / 40°C	125°C / 40°C

# Standard Equipment

#### **Engine**

- Radiator Cooled Unit Mounted (50°C)
- Radiator Duct Flange (OPU Only)
- Blower Fan & Fan Drive
- Starter & Alternator
- Oil Pump & Filter
- Oil Drain Extension w/Valve
- Governor Electronic Isochronous
- 24V Battery System & Cables
- Air Cleaner (Dry Single Stage)
- Critical Grade Silencer
- Flexible Fuel Connector
- EPA Certified Tier 2

#### Generator

- Brushless Single Bearing
- Automatic Voltage Regulator
- ± 0.50% Voltage Regulation
- 4 Pole, Rotating Field
- 125°C Standby Temperature Rise
- $-\,$  100% of Rated Load One Step
- 5% Maximum Harmonic Content
- NEMA MG 1, IEEE and ANSI Standards Compliance for Temperature Rise

#### Additional

- Single Source Supplier
- UL 2200 & cUL Listed through 600VAC
- CSA Certified through 600VAC
- Seismic Certified to IBC 2021
- NFPA 110 / CSA C282 Compliant
- Microprocessor Based Digital Control Panel
   Mounted in NEMA 12 Enclosure
- Base Structural Steel
- Main Line Circuit Breaker Mounted & Wired
- Battery Charger 24V 5 Amp
- Jacket Water Heater (Qty 2) -20°F 9000W 240V w/Isolation Valves
- Vibration Isolation Mounts (Pad Type)
- 2 Year / 2000 Hour Standby Warranty
- Standard Colors White / Gray

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# Diesel Product Line

## 800 kWe



107.3 (406)

# **Application Data**

2,071 (33.9) 5.0) x 6.30 (16.0) 15.3:1 1800 1,207 (900) <b>Standby</b> 883 (473) 8,192 (232) 23.6 (5.90)	
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8,192 (232) 23.6 (5.90)	
23.6 (5.90)	
122 (50.0)	
100 (50 0)	
122 (50.0)	
0.50 (0.12)	
291 (1,102)	
124 (470)	
20,418 (357)	
16,043 (281)	
15,956 (279)	
3,107 (87.9)	
37,314 (1,056)	
Consult Factory For Remote Cooled Applications	
64.3 (244)	
45.4 (172)	
31.8 (120)	
31.7 (120)	
26.4 (100)	

Deration Factors: Rated Power is available up to 3280 ft (1000 m) at ambient temperatures to  $104^{\circ}F$  ( $40^{\circ}C$ ). Consult factory for site conditions above these parameters.

System Coolant Capacity: gal (lit)

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# Diesel Product Line

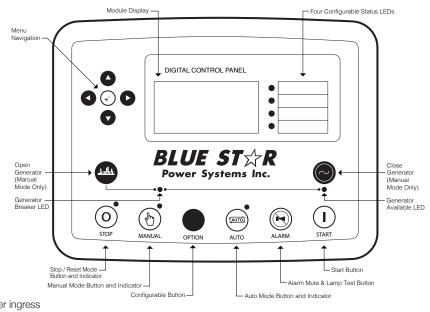
## 800 kWe



## DCP7310 Control Panel

#### Standard Features

- Digital Metering
- Engine Parameters
- Generator Protection Functions
- Engine Protection
- CAN Bus (J1939) ECU Communications
- Windows-Based Software
- Multilingual Capability
- Remote Communications to DSE2548 Remote Annunciator
- 8 Programmable Contact Inputs
- 10 Contact Outputs
- RS485 Communicator Interface
- cULus Listed, CE Approved
- Event Recording
- IP 65 rating (with supplied gasket) offers increased resistance to water ingress
- NFPA 110 Level 1 Compatible

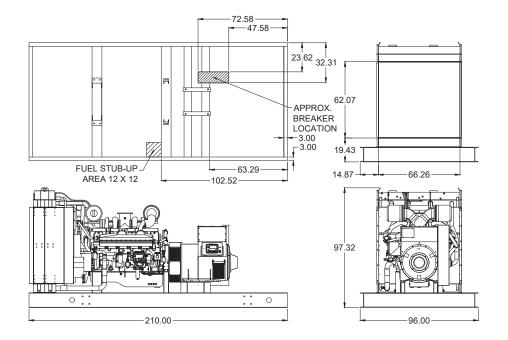


# Weights / Dimensions / Sound Data

	LxWxH	Weight lbs	
OPU	210 x 96 x 98 in	18,750	
Level 1	210 x 96 x 108 in	21,200	
Level 2	210 x 96 x 108 in	21,325	
Level 3	285 x 96 x 108 in	22,600	

Please allow 6-12 inches for height of exhaust stack.

	No Load	Full Load	
OPU	86 dBA	88 dBA	
Level 1	80 dBA	83 dBA	
Level 2	78 dBA	80 dBA	
Level 3	74 dBA	76 dBA	



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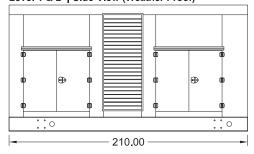
# Diesel Product Line

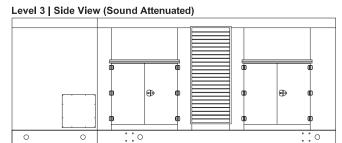
### 800 kWe

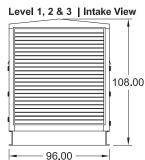


## **Enclosures**

Level 1 & 2 | Side View (Weather Proof)



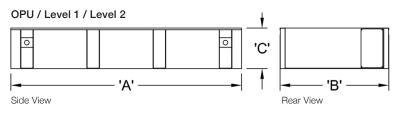




- All enclosure models are 200 MPH wind rating certified in accordance with IBC2021 and ASCE/SEI 7-16 standards.
- Level 2 & 3 enclosures include sound attenuation foam
- Level 3 enclosure includes frontal sound & exhaust hood.
- Enclosure height does not include exhaust stack.

285.00

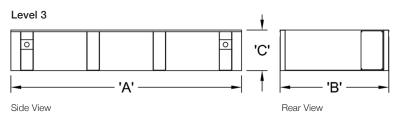
# Double Wall UL 142 Listed Fuel Tanks

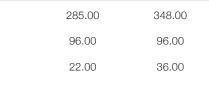


	900 Gallon	1800 Gallon	3600 Gallon
Α	210.00	210.00	348.00
В	96.00	96.00	96.00
С	16.00	30.00	36.00
	12 Hour 900 Gallon	24 Hour 1800 Gallon	48 Hour 3600 Gallon
Α	285.00	285.00	348.00
В	96.00	96.00	96.00

12 Hour

12.00





24 Hour



48 Hour

American Made

#### All specification sheet dimensions are represented in inches.

Notes

- All drawings based on standard 480 volt standby generator. Lengths may vary with other voltages. All drawings and dimensions subject to change without notice.
- All enclosures and fuel tanks are based on the standard unit configuration. Any requested deviation can change dimensions.
- Sound data is measured at 23 feet (7 meters) in accordance with ISO 8528-10.
- All materials and specifications subject to change without notice.

#### Blue Star Power Systems, Inc.

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