

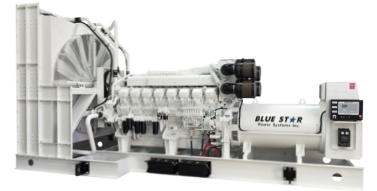
Product Line Overview



Offering a comprehensive portfolio of products to serve all major markets within the power generation industry allows for us to be a single source supplier. Our portfolio of products and expertise are expansive and continually growing. We strive for continuous improvement of our products; this is the basis for a culture in which quality and performance are consistently demanded and enhanced. Our products and turn-key solutions are complete, from full engineering design and support through completion of project.

Diesel 30 - 2000 kWe

Blue Star Power Systems, Inc. offers diesel generator sets powered by a wide variety of engines to suit our customers' most unique requirements. Partnering with world-class leaders such as John Deere, Volvo, MTU and Mitsubishi, we offer diesel products in standby, prime, TPEM flex mobile, and Final Tier 4 to meet and exceed EPA standards and regulations. Available with a full line of enclosures, fuel tanks, and optional accessories.



Gaseous 25 - 425 kWe

Blue Star Power Systems, Inc. offers gaseous generator sets powered by leading global gaseous engine manufacturers, General Motors and Power Solutions International. From prime power to back-up emergency power, our experience in gas makes ease of a wide variety of applications in a multitude of environments. All products meet or exceed EPA standards and regulations. Available with a full line of enclosures and optional accessories.



Transfer Switches 30 - 4000 Amps

Blue Star Power Systems, Inc. offers Emerson Network Power ASCO Transfer Switches. From light commercial to the critical power needs of health care, financial, and data centers, ASCO Transfer Switches provide a perfect compliment of quality and reliability to our products. ASCO communicative products allow for the monitoring and control of power in our generator sets.



Power Take Off 30 - 150 kWe

Blue Star Power Systems, Inc. Power Take Off product line has one of the most complete offerings available in the agriculture industry. Available in single phase and in three phase configurations. Our PTO units offer the ultimate in economy, portability, and flexibility.



Parts

Blue Star Power Systems, Inc. offers a full line of parts and accessories to meet the needs and maintenance of our unit long after the sale. We also sell products to service and maintain other manufacturers power systems and products.



Product Line Overview



Generator Products

Fuel	Application	kWe Range	Hz
LP Gas	Emergency & Prime Power Stationary	25 - 300	60
Natural Gas	Emergency & Prime Power Stationary	25 - 425	60
Diesel	Emergency & Prime Power Stationary	30 - 2000	60
Diesel	TPEM Mobile	30 - 500*	60
Diesel	Tier 4 Final	100 - 600*	60
PTO	Power Take-Off	30 - 150	60

All Ratings Configured in Standby. *Consult Individual Specification Sheet for Prime Rating*

Power Formulas

To Find	Known Values	Formula
kWe (3 Phase)	Volts, Amps, Power Factor	$\frac{V \times A \times 1.73 \times 0.8}{1000}$ or $kVA \times PF$
kVA (3 Phase)	Volts, Amps	$\frac{V \times A \times 1.73}{1000}$ or $\frac{kWe}{PF}$
Amps (3 Phase)	kWe, Volts, Power Factor (PF)	$\frac{kWe \times 1000}{V \times 1.73 \times PF}$
Amps (3 Phase)	kVA, Volts	$\frac{kVA \times 1000}{V \times 1.73}$
kWe (1 Phase)	Amps, Volts	$\frac{V \times A}{1000}$

Available Voltages

Standard	Optional
240 / 120 Volt - 1 phase, 12 wire (Zig Zag) (Double Delta)	480 / 240 Volt - 1 phase (High Zig Zag)
240 / 120 Volt - 3 phase (High Delta)	416 / 240 Volt - 3 phase (WYE)
600 / 347 Volt - 3 phase (WYE)	400 / 230 Volt - 3 phase (WYE)
208 / 120 Volt - 3 phase (PAR WYE)	2400 / 1386 Volt - 3 phase (WYE)
480 / 277 Volt - 3 phase (SER WYE)	3300 / 1905 Volt - 3 phase (WYE)
	4160 / 2400 Volt - 3 phase (WYE)
	380 / 220 Volt - 3 phase (WYE)
	440 / 254 Volt - 3 phase (WYE)

Amperage Chart

kWe	kVA	3 Phase @ 0.8 PF			1 Phase @ 1.0 PF	
		480V	240V	208V	600V	240V
25	31.25	38	75	87	30	105
30	37.5	45	90	104	36	125
40	50	60	120	139	48	167
50	62.5	75	150	173	60	209
60	75	90	180	208	72	250
80	100	120	241	278	96	333
100	125	150	301	347	120	417
125	156.25	188	376	434	150	625
150	187.5	226	451	520	180	834
200	250	301	601	694	241	959
250	312.5	376	752	867	301	1146
275	343.75	413	827	954	331	1250
300	375	451	902	1041	361	1459
350	437.5	526	1052	1214	421	1667
400	500	601	1203	1388	481	-
450	562.5	677	1353	1561	541	-
500	625	752	1504	1735	601	-
550	687.5	827	1654	1908	662	-
600	750	902	1804	2082	722	-
650	812.5	977	1955	2255	782	-
750	937.5	1128	2255	2602	902	-
800	1000	1203	2776	2406	963	-
1000	1250	1504	-	-	1203	-
1250	1562.5	1879	-	-	1504	-
1500	1875	2255	-	-	1804	-
1600	2000	2406	-	-	1925	-
1750	2187.5	2631	-	-	2105	-
2000	2500	3007	-	-	2406	-
2500	3125	3759	-	-	3007	-

Automatic Transfer Switch Products

Type	Amp Range	Poles
ASCO 185 Series	100 - 400	2
ASCO 300G Series	30 - 3000	2, 3, 4
ASCO 4000 Series	30 - 4000	2, 3, 4
ASCO 7000 Series	70 - 4000	2, 3, 4

Available in both Non-Service & Service Entrance Rated.

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