

DIESEL GENERATOR - Our Solution to your power problem



A diesel generator is the combination of a diesel engine with an electric generator/alternator to generate electrical energy.

A diesel compression-ignition engine is usually designed to run on diesel fuel, but some types are adapted for other liquid fuels or natural gas.

Diesel generating sets are used in places without connection to a power grid, or as emergency power-supply if the grid fails, as well as for more complex applications such as peak-opping, grid support.

APPROXIMATE DIESEL CONSUMPTION BASED ON THE SIZE/LOAD

Generator Size (kW)	1/4 Load (Ltrs/hr)	1/2 Load (Ltrs/hr)	3/4 Load (Ltrs/hr)	Full Load (Ltrs/hr)
20	2.27	3.4	4.92	6.05
30	4.92	6.81	9.08	10.97
40	6.05	8.7	12.11	15.14
60	6.81	10.97	14.38	18.17
75	9.08	12.87	17.41	23.09
100	9.84	15.52	21.95	28.01
125	11.78	18.92	26.87	34.44
135	12.49	20.44	28.76	37.07
150	13.62	22.33	31.79	41.26
175	15.52	25.74	36.71	48.07
200	17.79	29.14	41.63	54.5
230	20.06	33.31	47.31	62.83
250	21.57	35.96	50.34	68.13

Generator Size (kW)	1/4 Load (Ltrs/hr)	1/2 Load (Ltrs/hr)	3/4 Load (Ltrs/hr)	Full Load (Ltrs/hr)
300	25.74	42.77	60.94	81.38
350	29.9	49.58	70.78	95.01
400	33.69	56.4	80.62	108.26
500	41.63	70.03	99.93	135.13
600	49.96	83.27	119.24	162.01
750	61.7	103.72	148.76	202.14
1000	81.76	137.78	197.22	269.14
1250	101.82	171.47	246.05	336.14
1500	121.89	205.54	294.5	403.15
1750	141.95	239.28	343.33	470.14
2000	162.01	273.3	391.7	537.14
2250	182.07	306.99	440.62	604.15

We at MaxSolar supply Diesel Generators based on the Your Load Requirement and type of Application.

MAXSOLAR SOLAR - DIESEL GENERATOR HYBRID SOLUTIONS



- Solar DG Hybrid system are energized by photovoltaic panels with standby power back up from the Diesel Generators.
- Solar DG Hybrid system consists of photovoltaic panels, MPPT Inverter, batteries & Diesel Generators.
- These systems are designed for Continuous Power Generation despite a Grid Shut down.
- These systems are primarily designed to ensure 24X7 Power back up to critical Applications like Hospitals, Malls, Cinema Theatres, Lifts, Underground Subways and other Public utility areas where Electricity power is critical.
- These Systems will substantially reduce the power bill besides ensuring self-reliance on in house power generation.
- These systems can be designed as a Mobile Power Generation source with least environmental impacts.
- Solar DG Hybrid system is essentially Carbon Negative over its life span, as any energy produced over and above that to build the system initially offset by the enhanced use of Solar Energy even under Grid power shutdown conditions.