

4.5 KW Tri-Brid Solar Battery Diesel Mobile Generator

Part Number: 123-STG-4



Features

- Versatile Power Generation: 4.5kw Solar, 12kw Perkins diesel generator, a 19 kwh LiFeP04 battery, and a 9kw hybrid solar inverter.
- 70% Fuel Savings: A 3.4kW AC load runs off batteries for 4.2 hours, with a 2.7-hour generator recharge when solar isn't available. The generator is inactive 61% of the time, cutting fuel use by 61%. With solar, fuel savings increase to 70%.
- Solar Efficiency: 4.5kw of solar production harnessing the power of the sun to contribute to the overall energy mix.
- Tri-Brid Technology: The Tri-Brid design efficiently combines solar, battery, and diesel power sources, optimizing energy utilization based on environmental conditions and load demands.
- Output Precision: Split-phase output of 120/240 volts at 37 amps, ensuring a wide range of appliances and devices. An output of 12kw, this generator is capable of meeting the power needs of both industrial and commercial applications.
- Intelligent Monitoring: Keep tabs on your system's performance. Monitor fuel levels, power consumption, and overall system health in real-time with a cellular internet connection.



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Solar

Solar Watts	4.5 kw / 4.0 kw @ efficiency
Solar Panel No.	10
Solar Panel Watts	455

Battery Storage

Battery KWh	19
Battery Technology	LiFeP04
Battery Arrays No	1

AC Output Split Phase 120/240

AC Max AMP Load	37
AC Max Watts (kW)	8.8

Diesel Generator

Engine	Perkins 403J-15
AC output	12 kW
Fuel Tank Capacity (Gal)	90 G
Fuel Type	Diesel
Fuel Consumption (Gal Per Hour)	.75

Mechanical

Trailer L x W x H (ft)	12 x 7.3 x 7
Trailer Weight (lbs)	6550
Trailer Solar Surface Area (ft)	20 x 20

Remote Monitoring

Cellular Modem	Rural Band LTE Modem (cell card not included)
Power Plant Monitoring	Yes
Generator and Fuel Monitoring	Yes