

KEY FEATURES

- 7.2 kW Manually retractable solar array
- 12 kW Integrated backup diesel generator
- 19 kWh Energy cell
- 120 Gal Fuel tank
- Split-phase output 120/240 V @ 50A
- Remote monitor fuel levels, power consumption

DETAILS

123-STG-7 All-In-One Tri-Brid Smart Solar Power Generator is a state-of-the-art, compact, and towable industrial system engineered for off-grid applications. This advanced power solution combines a 12kW diesel generator, a 16-panel retractable 7.2kW solar array, and a 19kWh energy cell, providing unmatched versatility and efficiency. It delivers continuous power for loads up to 7kW, with a peak output of 12kW, making it ideal for environments with varying power demands. The system reduces engine runtime during daytime operation, optimizing fuel consumption and extending operational lifespan. Perfect for remote sites, emergency backup, outdoor events, and telecommunications, the 123-STG-7 ensures reliable and sustainable energy in challenging conditions.



TECHNICAL SPECIFICATIONS

Smart Power Cell

Max Load (kW)	12kW
Max AC Load AMP's	50 A
Voltage	120/240
Phase	Single
Energy Storage (kWh)	30
AC Connection OUT Female	Cam-Lock 16

Solar

Solar Array kW	7.2 kW
Solar Panel No.	16
Array Tilt	Hydraulic

Diesel Backup

Generator Max Power (kW)	12kW
Fuel Tank Capacity (Gal)	120
Fuel Type	Diesel
Fuel Consumption (Gal Per/HR)	1.21@ 100%
Sound dB	69
Tier 4 Final	Yes

Mechanical

Trailer L x W x H (ft)	19 x 7.3 x 6.8
Trailer Weight (lbs.)	6500
Solar Array Surface Area (ft)	29 x 21