

SG-009

HYBRID SOLAR POWERED TRAILER

Product Overview

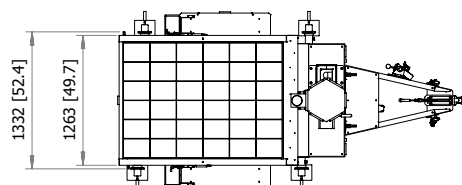
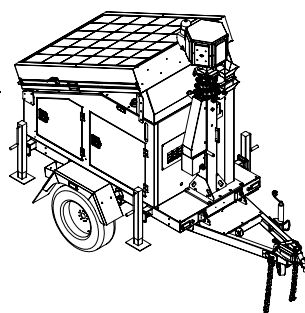
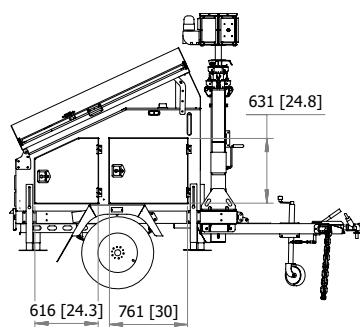
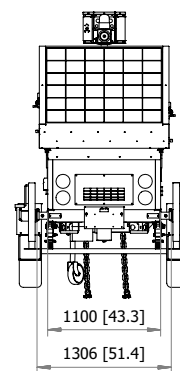
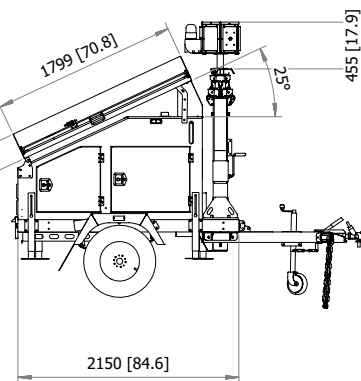
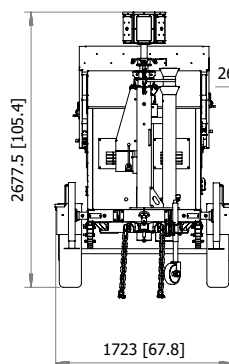
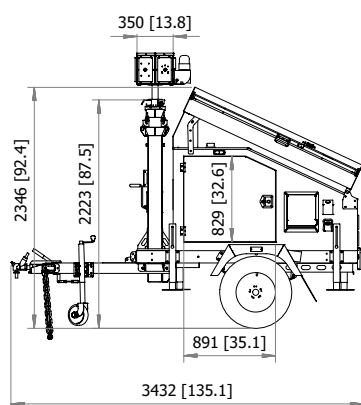
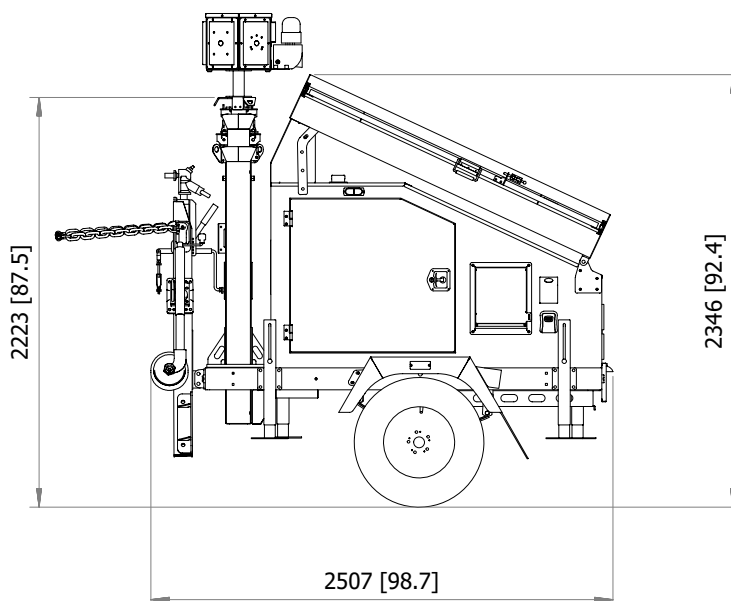
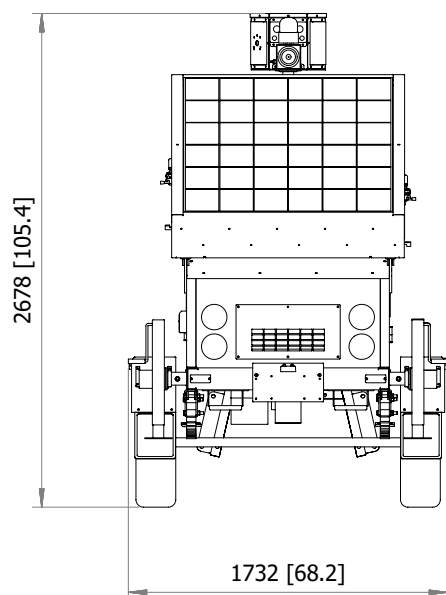
SG-009 Hybrid Solar Powered Surveillance Trailer features an innovative 3-panel design using high-efficiency 435 W monocrystalline silicon panels, optimized for maximum performance even in low-sunlight areas. For added reliability, it includes a built-in DC gasoline generator with a fuel tank, offering up to 2 kW of power and a fixed 1.5 kW charging output. This dual-power system ensures continuous operation in any environment.

Hybrid Solar Powered Trailer (SG-009)	
Solar System	
Solar Panel	Monocrystalline silicon
Rate Power	435W x3
Rate Power	20.3%
Battery System	
Type	Lithium Iron Phosphate
Capacity	25.6 V 460 AH
Ambient Temperature	-30° to 60°
Solar Controller	
Type	MPPT
Rd Charge Currentate	60 A Support load output and monitoring
Efficiency	99.5%
Charging Time	8.8 H
System Voltage	DC 24 V
RS485	1m2s
MPPT Controller Gateway	tcp 306 rtu-rj45
DC Output	DC 12 V 240 W, DC 24 V 240 W, DC 48 V 480 W
Battery Charger	Use AC power charge battery 1.5 kW, 1x AC Charging cable (L=2M)
Hybrid System (DC Gasoline Generator)	
Output	DC 25.6 V
Max Power	2 kW
Fixed Charging Power	1.5 kW
Fuel	Gasoline (Regular)
Email Nominal Capacity	12 L
Auxiliary Fuel Tank	50 L
Oil Filling Method	Auto
Start Mode	Manual, automatic
Emission Standard	Compliant with US environmental emission standards
Operation Temperature	-20° to 60°
Spring Cable	
Network Cable	Cat6 x2
Power Cable	2x Awg16 + 2x Awg13
LED Power Cable	2x Awg16 (Power) + 2x Awg16 (Control signal line)



Lifting System	
Type	Telescopic Mast
Material	Mast steel Q235
Max Height	7 m
Lifting System	Manual
Wind Rating Speed	100 km/h
Trailer System	
Type	Mobile Single Axle Trailer
Standard	America
Tow Hitch	50mm ball 2000 kg
Stabilization Leg	4 pcs Manual
Suspension System	Spring Type
Transportation	Truck, Crane, Forklift
Tyre & Rim	215/75R15
Size	
Working Size	3430 mm x 3600 mm x 7000 mm
Shipping Size	2150 mm x 1750 mm x 2400 mm
Trailer Transport Size	3430 mm x 1750 mm x 2400 mm
Flat Transport Size	2400 mm x 1750 mm x 2400 mm
Weight	1250 kg

Dimensions (mm [inch])



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