Solar CCTV Tower

UST-600SA



SPECIFICATIONS

1.Specifications

1.1 Dimensions & Weight

Dimension (Transportation) ····· 2429 × 1742 × 2370 mm
Dimension (Operation) ····· 3474 × 2845 × 7368 mm
Weight ····· 1020kg / 2248lb

1.2 Environment & Appearance

System Voltage ····· DC24V
Operating Temperature ·····-20℃~60℃ / -4℉~140℉
Surface Treatment····· Outdoor + Anti-Corrosion
Material·····Q235 Steel
Warranty:·····2 years

1.3 Solar System

Solar Panel·····2 × 440W
Open Circuit Voltage·····DC39.33V
Conversion Efficiency····· 22.3%
Tilt Adjustment·····60º,Electric Lifting
Adjustment Installation Type····· Fixed

1.4 Battery System

Battery Type·····LiFePO4
BatteryCapacity ·····8.038 kWh(314Ah)
Voltage ·····DC 25.6V
Cycle Life ·····4000 cycles at 95% DOD (25℃)
Bluetooth/Computer connection ·····Yes
Heater·····Built-in

1.5 Charging System

Charger Power ····· 2.5kW
Charging Frequency ·····50Hz
Efficiency·····93%
Charging Socket ·····AC230V

1.6 Intelligent Control System

Controller Type ····· Victron 45A MPPT
Conversion Efficiency····· 95%+
Remote ····· Cerbo Gx
Over-voltage protection ·····Yes
over-current protection ·····Yes
short-circuit protection·····Yes
Reverse connection protection·····Yes

1.7 Telescopic Mast

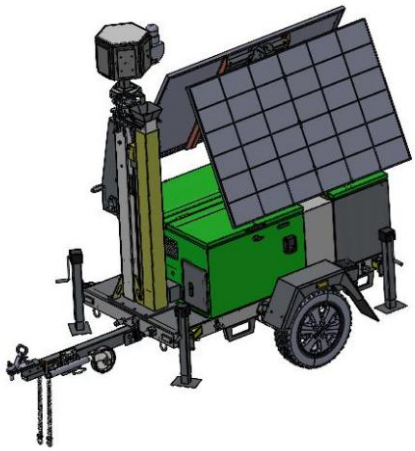
Height & Sections····· 7m (22.97ft) / 5 sections
Material & Treatment ·····Q235 steel, hot-dip galvanized
Lifting Mechanism ····· Manual winch
Wire Rope ····· Stainless Steel 304, 5mm
Spiral Cable ····· 2×Cat5e + 14×Power Supply
Top Load ····· 5kg ~ 50kg (11lb ~ 110lb)
Wind Resistance ····· 117 km/h / 72.7 mph

1.8 Trailer & Chassis

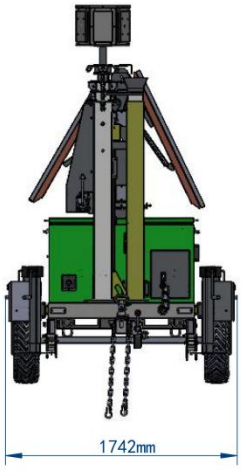
Trailer Standard ····· US / AU / EU
Trailer Light····· US / AU / EU
Axle····· Single,Suspension,Electric Brake
Tow Hitch ·····50mm / 2-inch ball type
Jockey Wheel····· 200mm / 8"
Outrigger ····· 4 × Manual,Galvanized
Level·····4 pcs
Wheel Chock·····2 pcs
Forklift Pocket·····Yes
Lifting Ring·····4 pcs
Tire····· 14 inch

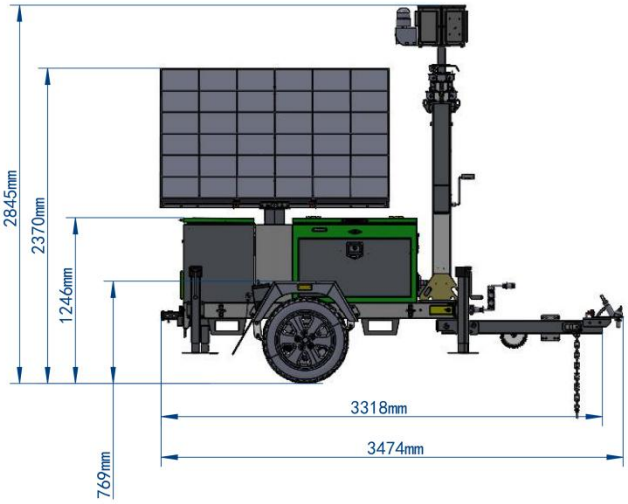
1.9 Gasoline Genset (Optional)

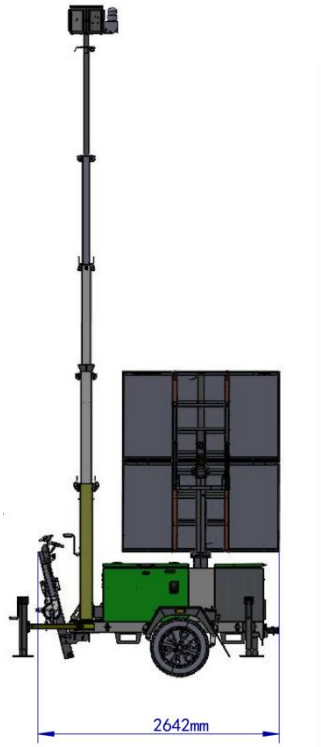
Rated Power ·····2kW
Fuel Tank ·····60L
Consumption····· 0.5L/h
Noise(db)····· 65

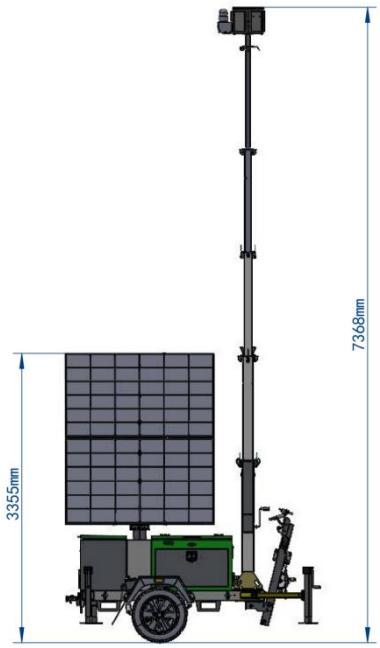


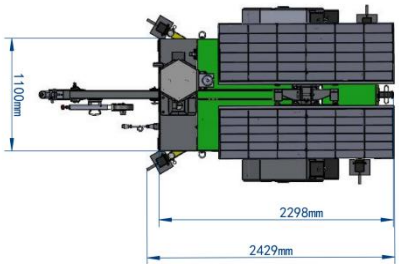
2.Dimensions

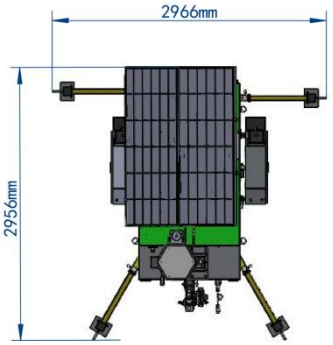












3.CCTV system (Optional)

3.1 CCTV Ready Configuration

Camera Mounting	Standard quick-release structure
DC Power Supply	Pre-wired DC 12V, 24V & 48V
Network	PoE switch (standard)
Strobe Lights	4 pcs
AC Output	450W inverter (optional)
Auxiliary Devices	Support speaker, display and other external equipment

3.2 Core CCTV Functions & Configuration

Supported Brands	Hikvision and other mainstream brands
Recommended Model	Hikvision DS-2SE4C425MWG-E/26(F0) 4MP 25× IR PTZ Camera
View	360° panoramic coverage, 25× optical zoom + 16× digital zoom
Low-light Technology	DarkFighter & ColorVu, IR distance up to 100m, white light 30m
Intelligence	Human & vehicle classification, deep learning algorithm
Video Recorder	Hikvision NVR DS-7608NXI-K1 (optional)
Network	4G Router USR-G806s-G (optional)
Speaker	T-720AP 30W IP55 (optional)
Display	G0816 (optional)





