

AIBASE

Solar-Hybrid Surveillance Trailer

- Rate Power: 435W x 2
- Open Circuit Voltage: DC39.33V
- Efficiency: 22.3%
- Angle: 60°, Electric Lifting
- DC25.6V 314Ah x 1pc, 8.04kW·h
- LPF Battery
- Battery: Cycle 4000 at 95% DOD,25℃
- BMS and Heater
- Gasoline Generator (OPTIONAL)
- DC 25.6V Output
- 2KW Rate Power
- Fule/ Tank Volume: Regular Gasoline, 100L

Solar System	
Solar Panel	Mono-crystalline silicon
Rate Power	435W x 2
Open Circuit Voltage	DC39.33V
Efficiency	22.3%
Series & Parallel	2 in parallel
Angle	60°, Electric Lifting

Battery System	
Type	LFP
Capacity	DC25.6V 314Ah x 1pc, 8.04kW·h
BMS	Yes
Heater	Yes
Life	Cycle 4000 at 95% DOD,25℃
Ambient Temperature	Charging: 0℃ - 55℃ / 32℉- 131℉ Discharging: -20℃ - 55℃/ -4℉- 131℉

Lifting System	
Type	Square,Telescopic
Material	Steel Q235,Galvanized
Height	6.3m / 20.7ft
Section	5
Wire Rope	Stainless Steel 304, 5mm
Spiral Cable	2 × Cat5e + 14 × Power Supply (7 pair)
Lifting Method	Manual Winch
Recommended Loading	5kg ~ 50kg / 11lb ~ 110lb
Windproof	117kph / 72.7mph

Trailer System	
Trailer Standard	US / AU / EU
Trailer Light	US / AU / EU
Tow Hitch	50mm / 2” Ball Type
Jockey Wheel	200mm / 8”
Axle	Single,Suspension,Electric Brake
Tire	14 inch
Outrigger	4 × Manual,Galvanized
Bubble level	4 pcs
Wheel Chock	2 pcs
Forklift Pocket	Yes
Lifting Ring	4 pcs

Control System	
Solar Controller	40A MPPT
Efficiency	95%+
Power Supply	DC12V,24V,48V
Protection	Yes
Remote	Optional

Charger system (OPTIONAL)	
Battery Charger	1.5kW
Charging Current	45A
Efficiency	89%
Socket	1 × 16A, AC120V

Gasoline Generator (OPTIONAL)	
Power Output	DC 25.6V
Rate Power	2KW
Fule/ Tank Volume	Regular Gasoline, 100L
Fule Consumption	Less than 0.5L/h
Start/Stop Mode	Auto Start: SOC (State of Charge) at 30% Auto Stop: SOC (State of Charge) at 90%
Noise Level	Less than 65dB

Dimension	
Shipping	2230 × 1690 × 2100 mm
Transportation	3530 × 1650 × 2890 mm
Operation	3530 × 2400 × 7420 mm

Others	
Material	Steel Q235
Powder	Outdoor + Anti-Corrosion
Weight	900kg / 1980lb
Strobe Light	2PCS on the camera mounting box, 2PCS on the trailer body
System Voltage	DC24V
Work Temperature	-20℃~60℃ / -4℉~140℉

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