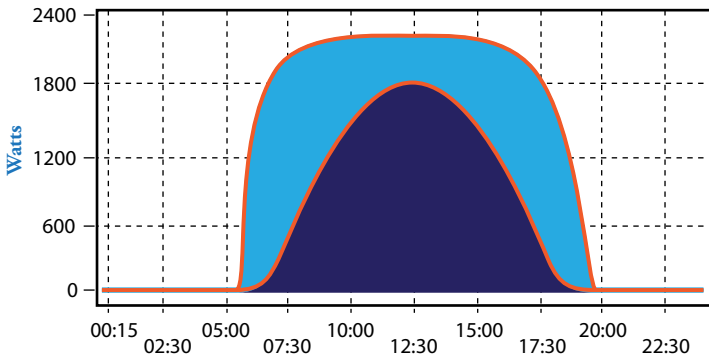


AA Solar Mobile 2-Axis Tracking Energy Production Over Fixed System 30-40%



Total output for MT2240 2-Axis tracking for 9 Hr. solar time
= 20160 Watts
Similar fixed system size for 9 Hr. solar time
= 13440 Watts

■ = Fixed System Power Production ■ + ■ = Advantage of a Tracking System

MT2240

MT1120

Daytime available energy	2240 Watts/Hr cont. w/tracking	1120 Watts/Hr cont. w/ tracking
Nighttime available energy	1200W - 12 Hr.	600W - 12 Hr.
Inverter mil spec.	2500 Watt	2500 Watt
Battery supply	12 – 24 volt 90 A/H	6 – 24 Volt 90 A/H
Extended battery backup option	24 – 24 volt 90 A/H	12 – 24 volt 90 A/H
Power Consumption	20 Watts/hour per day	12 Watts/hour per day
Wind load folded position	120 Mph	120 MPH
Wind load deployed position	60 MPH	60 MPH
Trailer Size:	15'L x 8.5'W	15'L x 6.5'W
Structural materials:	Steel Construction	Steel Construction
Trailer leveling accomplished by manual hydraulic jacks		
Solar tracking position of trailer– Front of trailer facing north		
System standby charging supply	360 Watts	360 Watts
Outputs available - 120 volt, 24 volt, 12 volt		
When parked in garage a 120 volt AC connection for battery charging is integrated into the system.		
Single button deployment for full automatic solar tracking from morning until night.		

SYSTEM RATINGS

Voltage Supply	24V
Operating Temperature	-10 to 140 deg F
2 Axis tracking system	Elevation and Rotation
Accuracy	±0.3 Degrees
Linearity	±0.2 Degrees
Elevation control	Actuator
Rotation control	Gear drive
Elevation tilt angle	20 to 90 degrees
Rotation tracking range	220 degrees

SYSTEM SPECIFICATIONS

Tracking method	AA Solar designed Microprocessor controlled solar position calculation
Motor protection	Circuitry to prevent and detect overloads Built-in high precision
Motor drive type	DC 24 volt motor drives for both elevation and rotation
System monitoring	Remote monitor, control, re-program, and upgrade by satellite link
Operation status	On board indicators status
Wind protection	User or automatic software controlled with optional wind speed sensor
Storm and emergency stop switches built in	