



MODEL	SOLAR ARRAY	LAMPS
AB-0515	50 Watt	15
AB-0715	75 Watt	15

MODEL	SOLAR ARRAY	LAMPS
AB-0525	50 Watt	25
AB-0725	75 Watt	25

PAR 46-LED Lamp

**Designed and Built Exclusively
by Solar Technology.**

Independent laboratory tests confirm our custom LED lamp is the brightest in the industry and has the greatest overall angularity.



Compared to other solar arrow board lamps, SolarTech's PAR 46 LED lamp:

- Is twice as bright
- Has superior angularity
- Provides enhanced conspicuity
- Is protected by a 10 year warranty

Control Module



Advanced Design Solid State Control Module

Microprocessor based technology for enhanced reliability. Fully-automatic fault protection.

Multi-Color LED Indicators

Display battery level, solar charger status, and lamp intensity.

"Auto Track" Intensity Control

Provides optimal visibility with minimal energy consumption.

Integral Solar Charge Controller

Fully automatic, temperature compensated. All solid state.

Two Year Warranty



LAMP PANEL

Panel Size	96 in. (244 cm) wide x 48 in. (122 cm) high
Panel Construction	All aluminum with welded frame
Panel Finish	Matte black baked enamel finish
Number of Lamps	15 or 25
Lamp Intensity	750 candela (minimum)
Lamp Beam Angle	30° horizontal x 6° vertical (minimum)
Lamp Construction	LED (21 per lamp) in unbreakable sealed polycarbonate housing
Lamp Shrouds	360° high-impact plastic
Rear Panel Indicators	Three (3)

PHYSICAL

Length Overall.....	100 in. (254 cm)
Length Excl. Tongue.....	53 in. (135 cm)
Width Overall	96 in. (244 cm)
Width Across Fenders	74 in. (188 cm)
Height Traveling	92 in. (234 cm)
Height Operating	134 in. (340 cm)
Ground Clearance	13 1/2 in. (34 cm)
Weight	1,180 lbs. (535 kg) approx.
Hitch	2 in. ball (Class II) or 2-1/2 in. pintle ring
Lifting Mechanism	1,000 lb. (453.5 kg) capacity (minimum) automatic brake win. and cable

ENERGY SOURCE

Operating Voltage	12 Volts DC (nominal)
Battery Type	6-Volt Heavy-Duty, Deep-Cycle (GC-2)
Number of Batteries	Two (2) Standard Lead Acid (Flooded)
w/ Aux. Batteries	Four (4) Standard Lead Acid (Flooded)
Battery Capacity	300 Amp Hours
w/ Aux. Batteries	600 Amp Hours
Battery Status Indicator	Displays full charge, normal and low battery condition
Solar Array Construction ...	Top-mounted solar panels in aluminum frame
Solar Array Power Output ...	50 or 75 Watts - field-upgradable
Solar Charge Controller.....	Fully automatic, temperature compensated

CONTROLLER

Controller Circuitry	Ultra-low power solid state
Lamp Patterns	All standard 15 and 25 lamp flashing and sequential
Lamp Flash Rate	30 per minute
Lamp Dimming	Manual and automatic
Lamp Dimming Ratio	50%, fully dimmed at approximately five footcandles
Lamp Power Drivers	Current limited and thermal overload protected with "soft start" feature
Low Voltage Disconnect ...	10.70 Volts
High Voltage Disconnect ...	15.10 Volts

OPTIONAL FEATURES AND UPGRADES

Battery Upgrades

- 4 Standard Flooded Batteries
- 2 Maintenance-Free Gel-Cell Batteries
- 4 Maintenance-Free Gel-Cell Batteries



Kilshanroe, Enfield,
County. Meath, Ireland
tel: 046-9541300 fax: 046-9541346
email: info@highwaymarkings.ie
www.highwaymarkings.ie