SONARAY®
www.sonaray.com.au

PROJECT
DATE TYPE
NOTES
REV: 21 0901
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DELTA Solar Power

FEATURES

- Long Lasting Light Duration up to 36 Hours when 100% Output
- Reinforce Bracket on Pole Mount
- All IN 1 Fixture, Solar Panel, Battery, and all connections included
- Charge Duration 7 to 9 Hours
- Step-down Dimming Function ensures no gaps in luminance
- 3 Year battery Warranty #

APPLICATIONS

• Parking Lots • Roadways • Security Lighting • Walkways • Recreation

ORDERING GUIDE

Series	Wattage	Battery	Voltage Output	Current Output	Power Output Max	MOUNTING
✓ SP-4	200 200W	1220 Wh	✓ L 12Vdc - 24Vdc	✓ 15 15A	✓ 18 180W	✓ TPM TOP OF POLE MOUNT
	✓ 360 360W	✓ 1850 Wh				
	400 400W	2460 Wh				

SOLAR PANEL SPECIFICATION			POWER OUTPUT		SAIL AREA (M^2)	IP Rating	DIMENSION (mm)	SOLAR PANEL WEIGHT (KG)
MODEL	WATTS	BATTERY	VOLTAGE	CURRENT				
SP-4200	200	1220Wh	12Vdc - 24Vdc	15A		IP65	1120×1040×120	42
SP-4360	360	1850Wh	12Vdc - 24Vdc	15A		IP65	1825×1040×120	62
SP-4400	400	2460Wh	12Vdc - 24Vdc	15A		IP65	2050×1040×120	72

*** EPA Ratings listed assume panel is mounted horinzontally. EPA rating will vary based on mounting angle.**
 # The solar panel need to charge at least once every 3 months when it is in storage, this can protect the life cycle of the batteries and maintained the warranty.

SPECIFICATIONS

CONSTRUCTION

Die-Case Aluminum Alloy housing with a Silver finish.
Lithium Battery. Aluminum framed Solar Panel.
IP65 and IK09 rated.
Ambient Operating Temperature: -25°C ~ +45°C / -13°F ~ +113°F.

SOLAR POWER ENERGY

Solar panels provide the mechanism to power your luminaire with sun energy and battery. Collect and store “natural” power to maximize your energy savings and decrease your carbon footprint.

INSTALLATION

Integrated fixture adapter slips over any 2-3/8” OD or smaller tenon. Pole and Pole arms are not included.

WARRANTY

All Delta products come with a limited Three (3) Year battery Warranty. For more information regarding the warranty please contact our office at (03) 9315 1377 or email Customer Service at info@sonaray.com.au

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PROJECT
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REV: 21 0101
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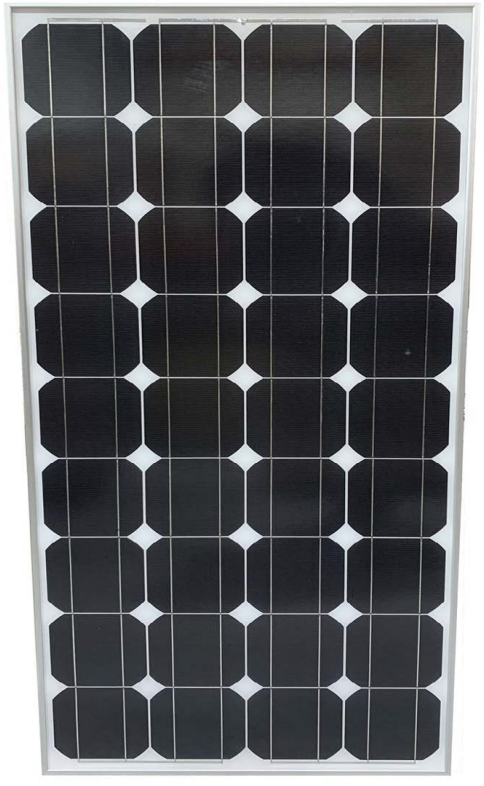
DELTA Solar Street Light

SPECIFICATIONS

BATTERY SPECIFICATION	SP-4200	SP-4360	SP-4400
BATTERY TYPE	LiFePO4 Lithium Battery		
NOMINAL CAPACITY (AH)	24 Ah X 2 batteries	36 Ah X 2 batteries	24Ah X 4 batteries
NORMAL CAPACITY(WH)	1220 Wh	1850 Wh	2460 Wh
BATTERY WARRANTY	Three (3) Years		
CYCLE LIFE	> 80% @ 25°C @ 1500 times		
NOMINAL VOLTAGE (V)	25.6V		
STANDARD DISCHARGE CURRENT (A)	5.0	5.0	5.0
TIME TO FULLY CHARGE	7 Hours		
MAX DISCHARGE CURRENT (A)	5A		
STANDARD DISCHARGE CURRENT (A)	2A		
MAX CHARGE VOLTAGE (V)	29.2V		
OPERATING TEMPERTURE			

PANEL SPECIFICATION	SP-4200	SP-4360	SP-4400
SOLAR PANEL RATED POWER (W)	200	360	400
MAXIMUM POWER (Pmax W)	200	360	400
MAXIMUM POWER VOLTAGE (Vmp V)	36.0V		
MAXIMUM POWER CURRENT (Imp I)	9	9	9
OPEN-CIRCUIT VOLTAGE (Voc)	42.5 VDC		
SHORT-CIRCUIT CURRENT (Isc)	9.3	9.3	9.3
SYSTEM VOLTAGE (V)	1000		
PANEL EFFICIENCY RATING	22%		
DIMENSIONS (mm)	1120×1040×120	1825×1040×120	2050×1040×120
FRAME MATERIAL	Aluminum