









Hapco Solar Pole

SOLAR TODAY. BRIGHTER TOMORROW.™

SLR4

Quad Module Solar Pole

440Wp · 1250Wh

-  Superior Aesthetics
-  Advanced Solar Technology
-  Highest-Performing Lithium NMC Batteries
-  4G Connectivity
-  Year Round, Autonomous Lighting
-  Easy, Plug-and-Play Installation
-  Smart City Device Ready
-  Low Total Cost of Ownership
-  5-Year Remote Monitoring
-  Full 5-Year Warranty (No Pro-Rating)

**A COMPLETELY ENGINEERED
SOLAR POLE SYSTEM**



Fixture Independent

The SLR4 Solar Pole is designed to work with the majority of the industry's post top and arm mounted LED luminaires.

Monocrystalline Solar Panels

Unparalleled efficiency. Four (4) maximum power point trackers per module.

Aerodynamic Design

Unmatched EPA and Wind Load ratings. Maintenance-free.

Wireless Connectivity – Remote Monitoring

Track system parameters and historical data online. Automatic over-the-air software updates.

Aluminum Pole

The strongest, most reliable light pole in the market featuring Proven Performance and a Lifetime Warranty.

Solar Control Unit

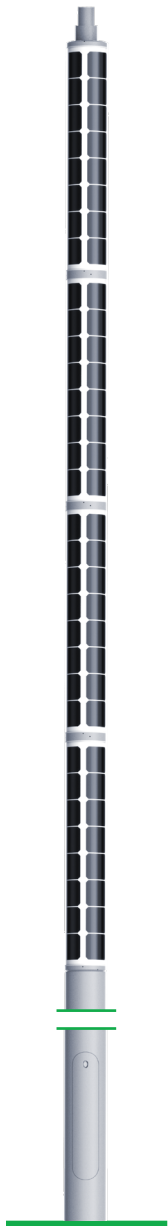
The battery, driver, controller, and solar optimized remote driver are designed into a single unit, safely secured inside the pole at ground level.



CUSTOMER NAME:	
PROJECT:	LOCATION:
NOTES:	

SLR4 | Quad Module Solar Pole

440Wp · 1250Wh



Pole Specification

Material: 6063 Aluminum Alloy, Heat Treated After Weld
Mounting Height: 30', 35'
Shaft/Top Dia.: 8"/4.5"
Wall Thickness: .250"
Access Door: Flush, Locking Handhole with Key
Anchorage Options: Anchorage Base or Direct Buried
Fixture Mounting: Tenon Mount (2-3/8" O.D. x 4")

Solar Module Specification

Technology: Monocrystalline Silicon Solar Cells
Cell Efficiency: >24%
Module Dimensions: 7.875" Dia. x 43.312" Tall
Service Life: >25 Years
Backsheet Color Options: White and Black
Number of Modules: 4
Total Power: ~440 Wp
Max. Power Point Tracking Channels: 4 / Module
Weight: ~15.5 lbs. / Module
Material: Borosilicate Glass — IK-07 Impact Rating

Battery Specifications

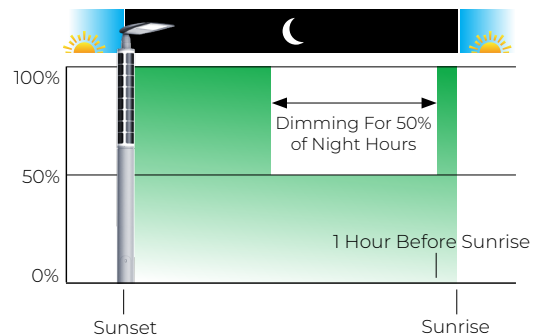
Technology: Lithium NMC
Capacity: 1250 Wh
Service Life: >10 Years
Location: Inside Pole Shaft Opposite Access Door
Charge Efficiency: 99.5%
Temperature Range: -4°F to 140°F

Control Electronics Specifications

Mobile Comm.: GSM/LTE-M
Encryption: TLS 1.2
GNSS: GPS, BeiDou, GALILEO, FLONASS, QZSS
Cable Update: USB Programmable
Remote Update: Yes
Remote Monitoring: Yes
Time and Date: Astronomical Clock
Service Life: >10 Years

Dimming

Dynamic Dimming: Algorithmically Optimized Light Output
Default (D1): 100%/50%/100%



Custom: Fully Customizable Profiles Can Be Specified To Meet Building Efficiency Codes

Warranty

Warranties: All Warranties Are 100% (Not Pro-Rated)
Battery: 5 Years
Solar Components: 5 Years
Pole: Lifetime Warranty (Excluding Finish)

Remote Monitoring

Monitoring: 5 Years

Options

Hybrid (HYB) Grid Powered Battery Backup
Motion Sensor (MOT) Occupancy Awareness
Extended Monitoring (M10) 10 Years (From Std. 5)

SLR4 - [] - 1250 - [] - F - [] - [] - []

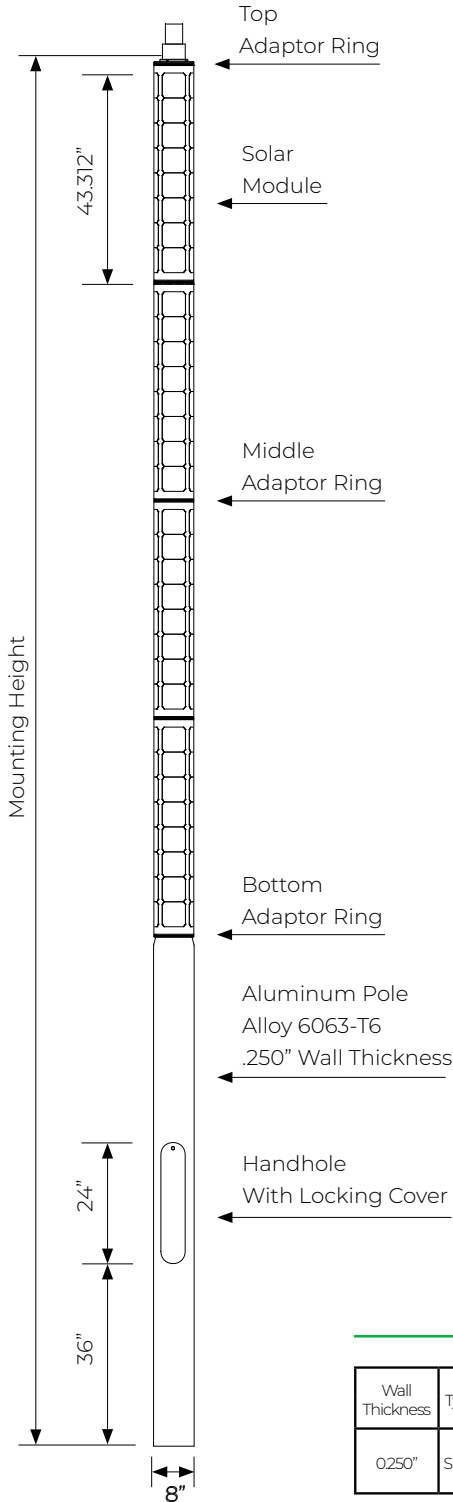
HAPCO SOLAR POLE	MODULE COLOR	BATTERY	MOUNTING HEIGHT	WALL THICKNESS	ANCHORAGE	POLE FINISH	OPTIONS
SLR4 = Quad Module	B = Black W = White	1250 = 1250WH	24 = 24' 30 = 30'	F = 0.250"	4 = 4-Bolt Base E = Direct Buried	01 = Satin BA = Black Powder Coat	HYB = Hybrid Grid/Solar MOT = Motion Sensor M10 = 10 Year Monitoring <i>*Add all that apply. Ex. HYB-MOT-M10</i>



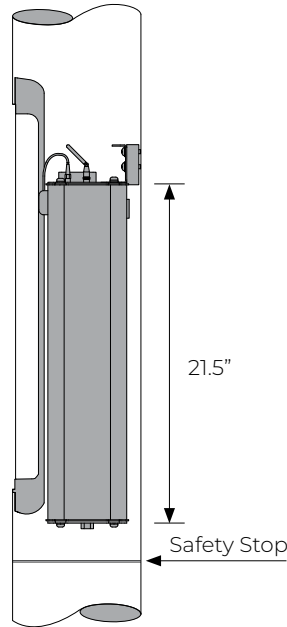
SLR4

Quad Module Solar Pole

440Wp · 1250Wh



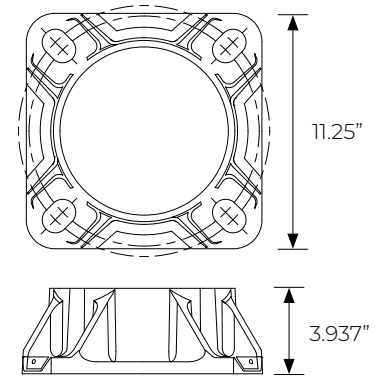
Solar Control Unit



Anchorage Options

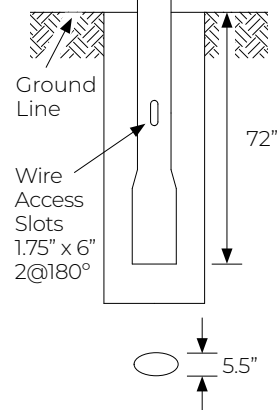
4-Bolt Base

Bolt Circle
11" - 12"



4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F), Stainless Steel Hex Head Attaching Screws, and Four (4) 1" x 36" x 4" Steel Anchor Bolts Conforming to AASHTO M314-90.

Direct Buried



Direct Buried Pole bottom section will be partially flattened into an anti-rotational, oval cross section.

Wall Thickness	Type	Mounting Height	90 MPH		150 MPH	
			Weight (lbs)	EPA (ft ²)	Weight (lbs)	EPA (ft ²)
0.250"	SLR4	24'	250	14.0	80	35
		30'	125	8.3	60	12

EPA Notes:

EPAs and weights shown are calculated in accordance with AASHTO LTS-6 using a 50 year design life. The maximum EPA is based on the paired weight shown. Increased weight may reduce the maximum EPA. If weight is exceeded, or if other design codes are required, please consult the factory. For direct buried applications, soil conditions may affect the maximum EPA. Hapco accepts no responsibility in the determination of local soil conditions.

SOLAR TODAY. BRIGHTER TOMORROW.™



26252 Hillman Highway
Abingdon, VA 24210