

SORAA/SSL-EY632-TIO LED SOLAR STREET LIGHT SERIES

ELAP

The SORAA/SSL-EY632 solar LED street light is the solution in areas where there is no grid or other lighting infrastructure available. This high-tech, standalone solar three in one (TIO) LED Light Fixture charges itself by making use of the integrated solar panels.

Even in case of cloudy weather, low yield or indirect sunlight, the solar LED street light still generates the desired amount of energy.

Bera, Pahang, Malaysia

CE L-S20
COMPLIANCE

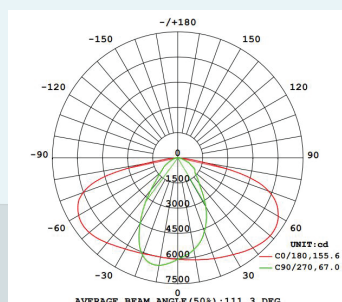
PRODUCT FEATURES

- LED Lighting**
Powerful and energy saving.
- 100% Solar-Powered**
Solar panels with high-efficiency monocrystalline solar cells.
- Durable Body Construction**
Robust and durable fixture build for perfection.
- High LED Efficiency**
Trusted and high-power LED lumen output.
- Lithium-ion Phosphate Battery**
Long lasting, maintenance-free, high capacity batteries.
- No PIR Motion Sensor (JKR Spec)**
Sufficient light output avoid disruption by moving objects.
- Smart Solar (Optional)**
Attach communication hardware to build the smart city.

PRODUCT OUTLOOK



PHOTOMETRY



POST TOP MOUNTING DIAMETER & POLE HEIGHT

Model	30W	60W	70W	80W	90W	100W	120W	150W
Recommended Post Top, OD Standard Pole Diameter (ø mm)*	70~78	70~78	70~78	70~78	90~102	90~102	90~102	90~102
Recommended Pole Height (m)	5 to 6	7 to 8	7 to 8	7 to 8	9 to 10	10 to 12	10 to 12	12
Pole Insert Depth, d (mm)	d = 250mm							

* Other non-standard customized adaptor with different pole diameter subjected to additional charge & availability.

PRODUCT TECHNICAL DATA



Model	EY632-30W	EY632-60W	EY632-70W	EY632-80W	EY632-90W	EY632-100W	EY632-120W	EY632-150W
Wattage (W)	30W	60W	70W	80W	90W	100W	120W	150W
Lumen Output (lm) ±10%	5,400lm	10,800lm	12,600lm	14,400lm	16,200lm	18,000lm	21,600lm	27,000lm
Lumen per watt ±5% LPW @ 3500K	180 lm/W	180 lm/W	180 lm/W	180 lm/W	180 lm/W	180 lm/W	180 lm/W	180 lm/W
Solar Panel (Wp)	80Wp	135Wp	150Wp	160Wp	180Wp	200Wp	240Wp	300Wp
Estimated Solar Charging Time (Hrs)	2.85 hours	3.5 hours	3.5 hours	3.8 hours	3.8 hours	3.8 hours	3.8 hours	3.8 hours
Battery Capacity (Wh)	614.4Wh	1152Wh	1382.4Wh	1536Wh	1843.2Wh	1997Wh	2304Wh	2918Wh
LiFePO ₄ Battery Voltage (V)	12.8V	12.8V	25.6V	25.6V	25.6V	25.6V	25.6V	25.6V
LiFePO ₄ Battery Capacity (Ah)	48Ah	90Ah	54Ah	60Ah	72Ah	78Ah	90Ah	114Ah
Daily Consumption (Wh)	228Wh	456Wh	532Wh	608Wh	684Wh	760Wh	912Wh	1140Wh
Solar System Voltage (V)	12V	12V	24V	24V	24V	24V	24V	24V
Days of Autonomy (Min Days)	> min 2 days	> min 2 days	> min 2 days	> min 2 days	> min 2 days	> min 2 days	> min 2 days	> min 2 days
Fixture Dimension (mm) (L) x (W) x (H)	1319 x 365 x 60	1529 x 485 x 60	1404 x 600 x 60	1539 x 605 x 60	1409 x 700 x 60	1659 x 605 x 60	1845 x 700 x 60	1849 x 845 x 60
Panel Size (mm) (L) x (W)	1310 x 340	1520 x 460	1395 x 575	1530 x 580	1400 x 675	1650 x 580	1836 x 675	1840 x 820
Fixture Carton Size (L) x (W) x (H)	1362 x 408 x 123	1572 x 527 x 123	1447 x 643 x 123	1582x 648 x 123	1452 x 743 x 123	1702x 648 x 123	1888 x 743 x 123	1892x 888 x123
Adapter Carton Size (L) x (W) x (H)	455 x 250 x 250	455 x 250 x 250	455 x 250x 250	455 x 250x 250	400 x 340 x 275	450x 340 x 275	450x 340x 275	450 x 330x 300
Net Weight (kg) (Fixture + Adaptor)	18kg 14.6kg (Fixture) 3.4kg (Bracket)	29kg 25.6kg(Fixture) 3.4kg (Bracket)	32kg 28.6kg (Fixture) 3.4kg (Bracket)	34kg 30.6kg (Fixture) 3.4kg (Bracket)	37kg 32kg (Fixture) 5kg (Bracket)	41kg 36.1kg (Fixture) 5.4kg (Bracket)	50kg 45.1kg (Fixture) 5.4kg (Bracket)	59kg 53.3kg (Fixture) 5.7kg (Bracket)
Gross Weight (kg) (Fixture + Adaptor)	19.5kg 15.6kg (Fixture) 3.9kg (Bracket)	30.5kg 26.6kg (Fixture) 3.9kg (Bracket)	34.05kg 30.1kg (Fixture) 3.9kg (Bracket)	36kg 32.1kg (Fixture) 3.9kg (Bracket)	39.5kg 33.5kg (Fixture) 6kg (Bracket)	44.5kg 38.1kg (Fixture) 6.4kg (Bracket)	54kg 47.6kg (Fixture) 6.4kg (Bracket)	63kg 56.3kg (Fixture) 6.7kg (Bracket)
CBM (m³)	0.068	0.102	0.114	0.126	0.132	0.135	0.172	0.206

Note 1: The above specified lumen and system efficacy based on standard CCT: 3000~3500K, Ra>70.

Note 2: All model **fulfil JKR L-S20 requirement**. No motion sensor required, with > 2 autonomy days (overcast / rainy days).

Note 3: Glass frame version (EMAL) available upon request. lm/W will be reduced.

Note 4: Customized adaptor available upon request with additional charge. (Customer must confirm size before purchase order).

Applications

- Rural & Remote Area
- Coastal Area & Jetties
- Security & Area Lighting
- Residential & Industrial Area
- Major Road