








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

ELAP

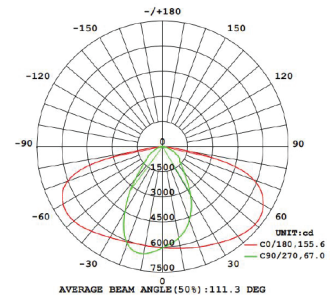
FEATURES

-  **LED Lighting**
Powerful and energy saving.
-  **100% Solar-Powered**
Solar panels with high-efficiency monocrystalline solar cells.
-  **Stable & Durable Housing**
Battery centralized the housing weight comes with the durable support arm.
-  **High LED Efficiency**
Trusted and high-power LED lumen output up to 180lm/W.
-  **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.

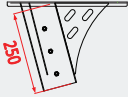


CE L-S20 COMPLIANCE

PHOTOMETRIC



POST TOP MOUNTING DIAMETER & POLE HEIGHT

Model	30W	60W	80W	120W	150W
Recommended Post Top, OD Standard Pole Diameter (Ø mm)*	70~78	70~78	70~78	90~102	90~102
Recommended Pole Height (m)	5 to 6	7 to 8	7 to 8	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.



Bera, Pahang



Sungai Besar, Selangor

PRODUCT TECHNICAL DATA



Model	EY632-30W	EY632-60W	EY632-80W	EY632-120W	EY632-150W
Wattage (W)	30W	60W	80W	120W	150W
Lumen Output (lm) ±10%	5,400lm	10,800lm	14,400lm	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
Solar Panel (Wp)	80Wp	130Wp	160Wp	240Wp	300Wp
Estimated Solar Charging Time (Hrs)	2.85 hours	3.5 hours	3.8 hours	3.8 hours	3.8 hours
Battery Capacity (Wh)	614.4Wh	1152Wh	1536Wh	2304Wh	2918Wh
LiFePO ₄ Battery Voltage (V)	12.8V	12.8V	25.6V	25.6V	25.6V
LiFePO ₄ Battery Capacity (Ah)	48Ah	90Ah	60Ah	90Ah	114Ah
Daily Consumption (Wh)	228Wh	456Wh	608Wh	912Wh	1140Wh
Solar System Voltage (V)	12V	12V	24V	24V	24V
Days of Autonomy (Min Days)	> min 2 days	> min 2 days	> min 2 days	> min 2 days	> min 2 days
Fixture Dimension (mm) (L) x (W) x (H)	970 x 480 x 58	1530 x 486 x 97	1540 x 605 x 97	1850 x 700 x 97	1849 x 845 x 125
Panel Size (mm) (L) x (W)	959 x 456	1520 x 460	1530 x 580	1836 x 675	1840 x 820
Fixture Carton Size (L) x (W) x (H)	1020 x 545 x 140	1580 x 545 x 140	1590x 670 x 140	1905 x 760 x 140	1888x 899 x195
Adapter Carton Size (L) x (W) x (H)	470 x 270 x 280	470 x 270 x 280	470 x 270x 280	470x 370x 300	350 x 280x 350
Net Weight (kg) (Fixture + Adaptor)	18.20kg 14.25kg (Fixture) 3.95kg (Adaptor)	30.25kg 26.30kg(Fixture) 3.95kg (Adaptor)	36.50kg 32.10kg (Fixture) 4.40kg (Adaptor)	50.25kg 44.70kg (Fixture) 5.55kg (Adaptor)	60.55kg 55.60kg (Fixture) 4.95kg (Adaptor)
Gross Weight (kg) (Fixture + Adaptor)	20.55kg 16.00kg (Fixture) 4.55kg (Adaptor)	32.95kg 28.40kg (Fixture) 4.55kg (Adaptor)	39.75kg 34.80kg (Fixture) 4.95kg (Adaptor)	54.88kg 48.45kg (Fixture) 6.43kg (Adaptor)	64.88kg 59.40kg (Fixture) 5.48kg (Adaptor)
CBM (m ³)	0.078	0.121	0.149	0.203	0.195
Adapter 2pcs Carton Net Weight (kg)	8.50kg	8.50kg	9.35kg	11.98kg	10.43kg
Adapter ID (mm)	83	83	94	108	104

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

COMPLIANCE

LUMINAIRES

- IEC 60598-2-3
- IEC 60898-1
- IEC 62471
- IES LM-79

LED CHIP

- IES LM-80

SOLAR PV MODULE

- IEC61215-2

SOLAR CHARGE CONTROLLER

- IEC 62109-1

BATTERY

- IEC 62133-2
- IEC 62619