



EXTRA-BUILT (M) SDN BHD
Innovative & Intelligent Efforts

LED SOLAR LIGHTING

SOLAR JSSC SERIES (AL-Y)

The Extra-Built LED Solar lighting is optimized a basic LED solution for local and international application roadways. The design integrated all solar parts in one box. The heat sink directly into the unit or for heat transfer to prolong LED life. Just need to turn on the switch, then can work automatically. This solution lowers energy consumption and easy to install compared to conventional solar system need more wiring and each components separated.

Designed to meet recommended luminance and illuminance requirement for local and all street road lighting specifications.



Enquiry:

Email: sales@extrabuilt.com (03-5523 7907)

Solar JSSC Series

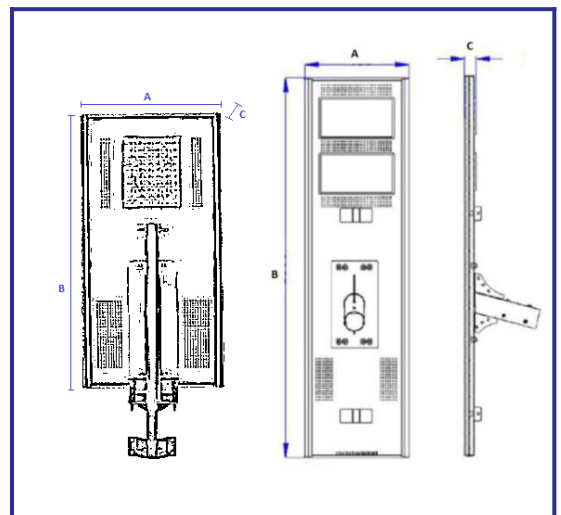
Lighting Specification

Code	System Power	Luminous Flux	Solar Panel	Battery	Install Height *reference*
AL-Y020	20W	2400lm	18V, 50W	12V, 17Ah	5-6M
AL-Y040	40W	4400lm	18V, 70W	12V, 30Ah	6-7M
AL-Y050	50W	5500lm	18V, 80W	12V, 36Ah	6-8M
AL-Y060	60W	6500lm	18V, 85W	12V, 36Ah	6-10M
AL-Y080	80W	9000lm	18V, 100W	12V, 60Ah	8-10M
AL-Y100	100W	11000lm	18V, 130W	12V, 80Ah	8-10M
AL-Y120	120W	13000lm	18V, 150W	12V, 88Ah	10-12M

Specification

System Voltage	12V Constant Current
Operating Temperature	-40° Celsius to + 60° Celsius
Electrical Protection	Short Circuit, Overvoltage, Overcurrent, Overheat
Charge Time	6 - 7 Hours
Discharge Time	Operating Autonomy: >8 hours Saving Mode (30% -50%): 3-5 rainy days
Controller	12V10A MPPT Solar
Led Brand	Bridgelux (USA)
CRI	>83
Color Temperature	2700K – 6500K
Beam Angle	IESNA Type II
Light Output	Min of 50,000 hours at L70 (70% lumen maintenance)
Efficiency (@T65 °C)	130±10lm/w
Housing & Casing	Steel and Aluminum Sheet
Lens	In PMMA with UV protection
Ingress Protection	IP65
Impact Grade	IK08
Warranty	5 Years

Dimension

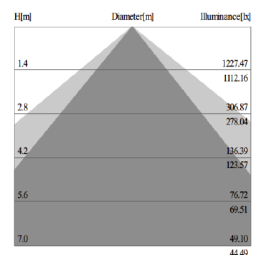
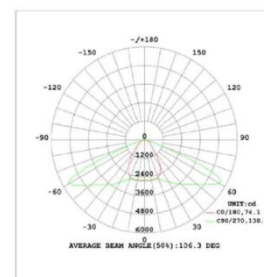


Wattage ± 10%	Width (A)	Length (B)	Height (C)	Weight
20W	310mm	960mm	45mm	11Kg
40W	340mm	1210mm		16kg
50W	460mm	1070mm		21kg
60W				
80W				
100W	1570mm	27Kg		
120W	1670mm	28kg		

Accessories



Polar Diagram Light Curve 100W



Light Distance Curve