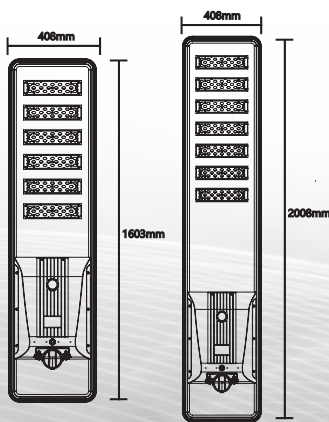
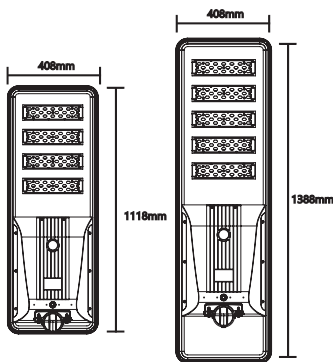
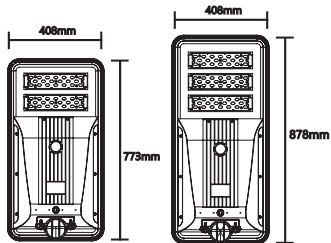




Integron^{Butterfly}

SOLAR LED STREET LIGHT





Technical Specifications

Electrical Characteristics				
Wattage Package	40W – 60W	60W – 80W	80W – 100W	100W – 120W
Charge Controller	Intelligent Solar Charge Controller			
Charge Controller TYPE	MPPT			
Voltage Range	Light 36V / 48V Battery 12V / 24V and PV 17-48V / 34-48V			
Light Technical Characteristics				
Lumen Package	>6,000 Lm	>9,000 Lm	>12,000 Lm	>15,000 Lm
	Other lumen packages also available ranging from 4,550 Lm to 42390Lm			
System Efficacy	140-150 Lm/W			
Light Source	Lumileds 3030 2D / TYF 3030			
LED Efficiency	Upto 200 Lm/w			
LED Drive Current	Less than 50% of the rated max forward current of the LED			
Color Rendering Index	Minimum 70			
Beam Angle	Standard Beam Angle 90x150 Degree Type II M (other Type(s) also available)			
Color Temperature	CW -5700K/ NW -4000K/ W W -3000K ±500K			
Lifetime	50,000 hours (70% lumen maintenance @ Ta = 35°C)			
Battery Technical Characteristics				
Battery Capacity	>230 Wh	>320Wh	>576 Wh	>768 Wh
Battery Type	Lithium Iron Phosphate (LiFePO4)			
Charge Cycles / Life	>4000 Charge Cycles (up to 5000) / Upto 13 Years			
Solar Technical Characteristics				
Solar PV Wattage	>50W	>60W	>80W	>105W
Solar PV Type	Monocrystalline / Mono PERC			
Solar PV Life	> 10 years			
Environmental Characteristics				
Light Installation	*48-60mm pole, side entry			
Light Mounting Height	Up to 6-8m		Up to 8-12m	
Working temperature	Light -40°C to 55°C Battery 0° C to 45°C Solar Panel -40°C to 85°C			
Relative humidity	Up to 95%RH			
Mechanical Parameters				
Light Housing material	High pressure die-cast aluminum			
Buttery Console material	Aluminum Alloy			
Gasket material	Heat resistant silicone rubber			
Light Front Cover	Tempered Glass			
Finishing	Corrosion resistant powder coating			
General Information				
System Life	Upto 100,000 working hours			
Applications	Expressways, Highways, Major Roads, Secondary Roads, Industrial Roads & Residential Roads.			
Unique Features				
Future Proof Design	Upgradable to solar or any other future technology			
Programmability	The light can be programmed to work on multiple dimming stages to save energy in off-peak hours for an extra-long battery backup			
IOT	Provision of IOT connectivity (optional)			