

12W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-12-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	12 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSRON	Ideal Current Consumption	Less than 2 ma
Solar PV Module	30wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 120WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	1800 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	540x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	7.5Kg
		Product Warranty	5 Years

15W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-15-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	15 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSRON	Ideal Current Consumption	Less than 2 ma
Solar PV Module	40wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 154WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	2250 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	655x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	8.8Kg
		Product Warranty	5 Years

18W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-18-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	18 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSRON	Ideal Current Consumption	Less than 2 ma
Solar PV Module	45wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 192WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	2700 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	750x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	9.8Kg
		Product Warranty	5 Years

24W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-24-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	24 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSRON	Ideal Current Consumption	Less than 2 ma
Solar PV Module	50wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 231WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	3600 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	945x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	12Kg
		Product Warranty	5 Years

30W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provides required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-30-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	30 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSLO	Ideal Current Consumption	Less than 2 ma
Solar PV Module	60wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 308WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	4500 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	1155x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	14.5Kg
		Product Warranty	5 Years

40W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provides required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-40-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	40 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSLO	Ideal Current Consumption	Less than 2 ma
Solar PV Module	75wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	4 Meter Above Ground Level
Battery Type and Capacity	12.8V 385WH LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	6000 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	1360x400x42
LED Driver Efficiency	> 92 %	Weight(Kg)	17Kg
		Product Warranty	5 Years

50W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-50-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	50 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSRON	Ideal Current Consumption	Less than 2 ma
Solar PV Module	100wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	6 Meter Above Ground Level
Battery Type and Capacity	12.8V 576Wh LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	7500 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	1100x730x42
LED Driver Efficiency	> 92 %	Weight(Kg)	22.5Kg
		Product Warranty	5 Years

80W All in One Solar Street Light

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12 meters, the light will automatically glow at full power. This provides required illumination only when needed and helps in increasing battery backup period.



Technical Specifications

Product Name	ETSSLAIO-80-PRM-A	LED Driver Methodology	Dual PWM dc-dc Buck Converter
LED Lamp	80 Watt	Charge Controller Methodology	Three Stage Battery Charge Monitoring Algorithm
LED Chip	OSRAM OSLO	Ideal Current Consumption	Less than 2 ma
Solar PV Module	150wp Mono-Crystalline	PWM Frequency	LED driver: 30.53 KHz Charge Controller: 25 Hz
Solar Panel MPP Voltage	19 volt	Light Mounting Height	6 Meter Above Ground Level
Battery Type and Capacity	12.8V 1024wh LiFePO4	Colour Temperature	6000K - 6500K
Motion Sensor	Passive Infrared Sensor - 12 meters working range, Detection: 102 degree horizontal 92 degree vertical	Humidity range	0 to 95%
Lumen Output	10000 LUMEN	Temperature Range	0°C TO 60°C
Secondary Optics	Yes	Dimensions(mm)	1475x600x42
LED Driver Efficiency	> 92 %	Weight(Kg)	40Kg
		Product Warranty	5 Years