



MADE IN INDIA



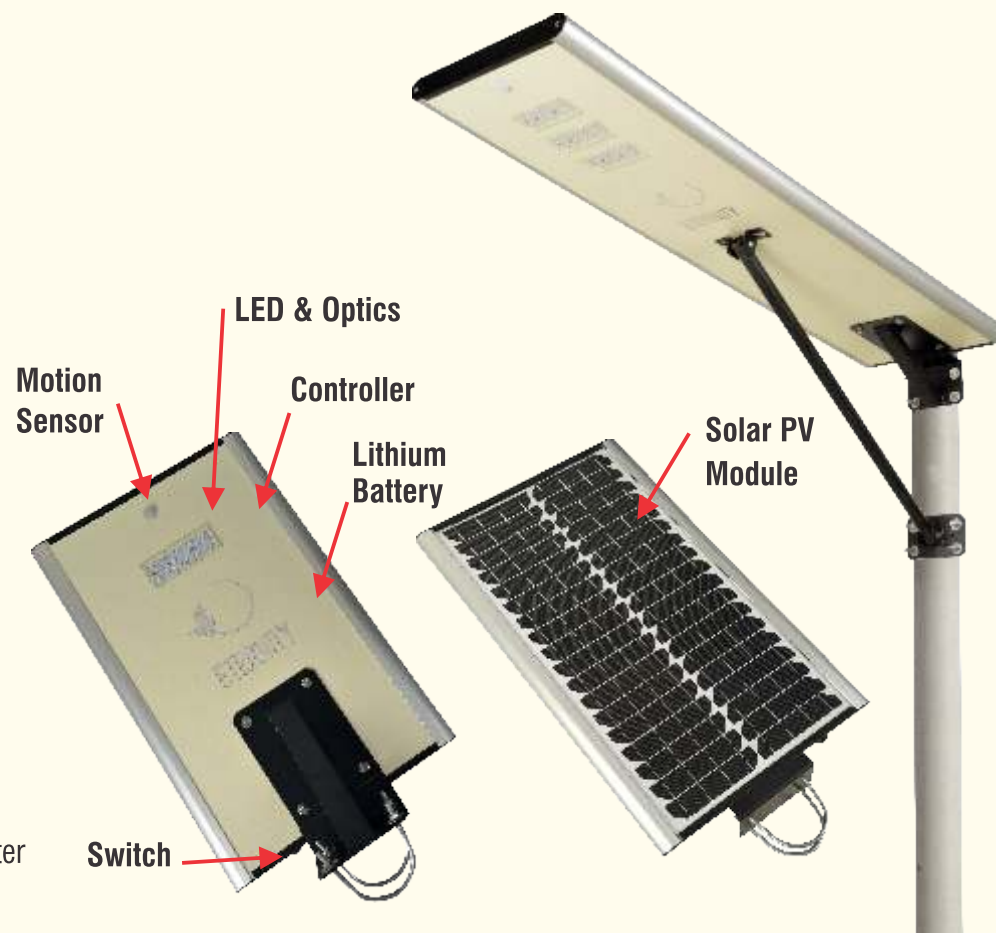
www.eternitygreens.com



All-In-One Solar LED Street-lights

Features

- Micro-processor based intelligent and efficient indigenous design
- Easy to install off-grid system
- Theft proof long life lithium battery pack
- Modular design of each inner parts, easy installation and maintenance
- All in one solar street-light comes with built-in passive infrared **PIR motion sensor** which automatically detects human/traffic presence and 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 twelve meters, the light will automatically glow at full power. This will provide required illumination only when needed and helps in increasing battery backup period
- High efficiency optics efficiently optimize lumen distribution over 30%
- Easy installation, suitable for a range of pole having 60mm to 90mm diameter



Product Code	LED Wattage	PV module	Battery	Lum. Flux	Dimension(mm)
ETSSL-AIO-09-PRM	09 watt (+/-5%)	27 wp	80 wh LiFePO4	1350 Lumen	530 x 400 x 42
ETSSL-AIO-12-PRM	12 watt (+/-5%)	35 wp	120 wh LiFePO4	1800 Lumen	655 x 400 x 42
ETSSL-AIO-15-PRM	15 watt (+/-5%)	40 wp	160 wh LiFePO4	2250 Lumen	750 x 400 x 42
ETSSL-AIO-18-PRM	18 watt (+/-5%)	50 wp	200 wh LiFePO4	2700 Lumen	945 x 400 x 42
ETSSL-AIO-24-PRM	24 watt (+/-5%)	60 wp	240 wh LiFePO4	3600 Lumen	1155 x 400 x 42
ETSSL-AIO-30-PRM	30 watt (+/-5%)	75 wp	300 wh LiFePO4	4500 Lumen	1360 x 400 x 42

Integrated Solar LED Street-lights

Features

- **Proper PV module Placement:** In all in one solar LED street-light, we need to set up PV module direction and tilt angle as per user requirement and not as per optimized solar power generation. In integrated solar street-lights we installed LED luminary separately and therefore we may install PV module with proper solar direction and tilt angle
- **Lower Operation Cost:** It is less expensive to operate a integrated solar powered street light than a traditional solar street light
- **Reduced Damage/Theft:** By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced
- **Ruggedised Technology:** Require less maintenance and reduced parts replacement due to initially incorporating higher quality components
- **Compact Design:** Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box
- **Motion sensor:** Motion sensor based dimming(optional)



Product Code	LED Wattage	PV module	Battery	Lum. Flux	Dimension(mm)
ETSSL-INT-06-ECO	06 watt (+/-5%)	25 wp	80 wh Li-Ion	900 Lumen	379 x 147 x 70
ETSSL-INT-09-ECO	09 watt (+/-5%)	30 wp	120 wh Li-Ion	1350 Lumen	465 x 232 x 88
ETSSL-INT-12-ECO	12 watt (+/-5%)	40 wp	160 wh Li-Ion	1800 Lumen	465 x 232 x 88
ETSSL-INT-15-ECO	15 watt (+/-5%)	50 wp	200 wh Li-Ion	2250 Lumen	565 x 270 x 75
ETSSL-INT-18-ECO	18 watt (+/-5%)	60 wp	240 wh Li-Ion	2700 Lumen	565 x 270 x 75

Solar LED Traffic Blinker

Features

Low power consumption(<5 Watt), constant light output even with variations in supply, low output degradation, even distribution of light, backup up to three continuous cloudy days, as per NHAI standards

Technical details:

Display Color: Red/ Amber

System Voltage: 12 VDC

Aspect Diameter: 300 mm

LED Viewing Angle: 23 degree

Lamp intensity: Greater than 330 cd

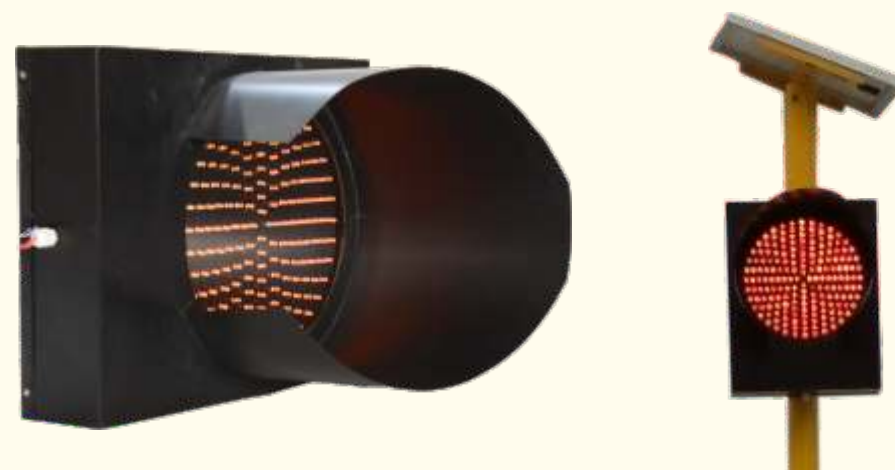
IP Protection: IP54

Visibility: Greater than 500 meters

LED Wavelength: Amber 590 \pm 5 nm / Red 625 \pm 5 nm

Autonomy: 4 days

Pole height: 12 feet



Product Code	Working	PV Module	Battery
ETBL-12-EA	Dusk to Dawn	15 watt	12v 7ah
ETBL-24-EA	24 hour	20 watt	12v 14ah

LED Chevron

Features

Display Color: Red/Amber/White

Programmed for sequential arrow movement

Left & right arrow inter-changeable design

IP Protection: IP54

Visibility: Greater than 500 meters

LED Wavelength: Amber 590 \pm 5 nm /
Red 625 \pm 5 nm



Product Code	Power	No of LEDs	Dimension(mm)
ETCH-01-EA	1.8 watt	82	300 x 300
ETCH-03-EA	4.8 watt	234	900 x 300

LED Street-light

Features

- Contains matrix of high power LEDs
- **Secondary Optics:** Suitable optical lens
- **Rated LED Life Span:** 60,000 hours
- **Color Rendering Index:** 80
- **Total Harmonics Distortion:** <10%
- **Power Factor:** > 0.9
- **Efficiency:** > 85%
- **Electronics:** Inbuilt HF driver with APFC
- **Input Voltage Range:** 145 VAC-270 VAC
- **LED Luminous Density:** 120-150 LM/Watt
- **Luminance Uniformity:** > 0.3
- **Color Temperature:** 2700K-6500K
- **Junction tTemperature:** <80°C
- **Working Temperature:** - 25°C to +70°C
- **Storage Temperature:** - 40°C to +70°C
- **Housing:** Pressure die cast aluminium alloy
- **IP Grade:** IP65 / IP66



Product Code	Power	Luminous Flux	Dimensions (mm)	Weight
ETSL-24-EA	24 watt (+/-5%)	3360 lumens	350 x 127 x 70	1.1 kg
ETSL-30-EA	30 watt (+/-5%)	4200 lumen	350 x 127 x 70	1.1 kg
ETSL-40-EA	40 watt (+/-5%)	5600 lumens	379 x 147 x 70	1.4 kg
ETSL-50-EA	50 watt (+/-5%)	7000 lumens	405 x 194 x 80	1.9 kg
ETSL-60-EA	60 watt (+/-5%)	8400 lumens	405 x 194 x 80	1.9 kg
ETSL-80-EA	80 watt (+/-5%)	11200 lumens	465 x 232 x 88	3.2 kg
ETSL-100-EA	100 watt (+/-5%)	14000 lumens	465 x 232 x 88	3.2 kg
ETSL-150-EA	150 watt (+/-5%)	21000 lumens	565 x 270 x 75	5.2 kg
ETSL-200-EA	200 watt (+/-5%)	28000 lumens	613 x 281 x 70	7.8 kg
ETSL-250-EA	250 watt (+/-5%)	35000 lumens	613 x 281 x 70	7.8 kg



LED Flood-light

Product Code	Power	Luminous Flux	Dimensions (mm)	Weight
ETFL-30-EA	30 watt(+/-5%)	4200 lumens	138 x 179 x 97	1.1 kg
ETFL-50-EA	50 watt(+/-5%)	7000 lumens	227 x 185 x 131	1.8 kg
ETFL-80-EA	80 watt(+/-5%)	11200 lumens	285 x 233 x 148	3.1 kg
ETFL-100-EA	100 watt(+/-5%)	14000 lumens	330 x 239 x 146	4.5 kg
ETFL-120-EA	120 watt(+/-5%)	16800 lumens	330 x 239 x 146	4.5 kg
ETFL-150-EA	150 watt(+/-5%)	21000 lumens	418 x 328 x 156	7 kg
ETFL-200-EA	200 watt(+/-5%)	28000 lumens	418 x 328 x 156	7 kg



LED Bay-light

Product Code	Power	Luminous Flux	Dimensions (mm)	Weight
ETHB45-EA	45 watt(+/-5%)	6300 lumens	345 x 345 x 250	1.9 kg
ETHB-60-EA	60 watt(+/-5%)	8400 lumens	375 x 375 x 130	3.6 kg
ETHB-80-EA	80 watt(+/-5%)	11200 lumens	375 x 375 x 130	3.6 kg
ETHB-100-EA	100 watt(+/-5%)	14000 lumens	375 x 375 x 130	3.6 kg
ETHB-120-EA	120 watt(+/-5%)	16800 lumens	425 x 425 x 160	8 kg
ETHB-150-EA	150 watt(+/-5%)	21000 lumens	425 x 425 x 160	8 kg
ETHB-200-EA	200 watt(+/-5%)	28000 lumens	425 x 425 x 160	8 kg



Solar Home Systems

Features:

- Portable and aesthetic design
- Pollution-free and eco-friendly
- Field tested for over 7 years
- Compliant with performance standards
- Upgraded PWM solar charge controller
- Built in temperature compensation
- Advanced charge topology to enhance battery life
- Fast mobile charging USB port
- High lumen DC LED luminary

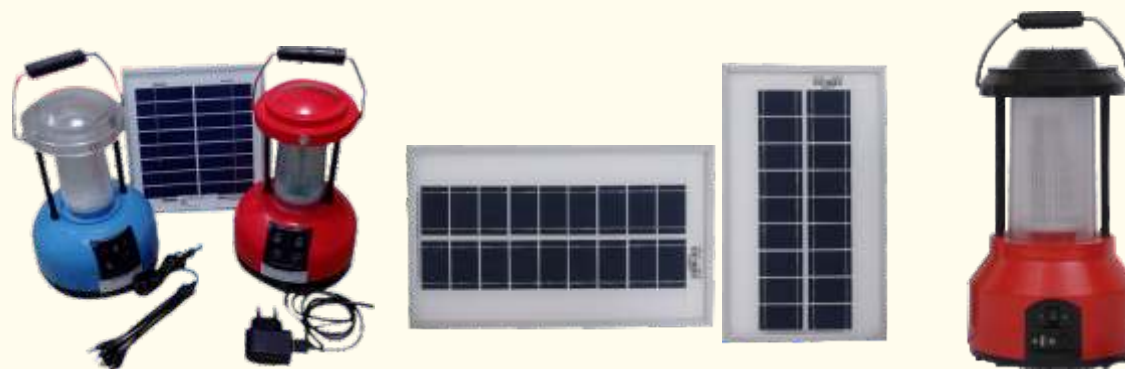


Product Code	PV Module	Battery	Load
ETHM-15-EA	15 watt	80 Wh	15 watt
ETHM-50-EA	50 watt	240 Wh	35 watt

Solar LED Lantern

Features:

- Compact, lightweight, portable
- Rugged design suitable for toughest conditions
- Special charging socket to prevent reverse polarity
- Low voltage disconnect
- Over charge protection
- Dual PWM dc-dc converter
- USB fast mobile charging option
- High lumen LEDs
- Three stage battery charging algorithm
- Lead acid / Lithium Ion / LiFePO4 batteries



Product Code	PV Module	Battery	Load
ETLN-03-EA	5 watt	27 Wh	3 watt
ETLN-05-EA	10 watt	54 Wh	5 watt
ETLN-07-EA	15 watt	80 Wh	7 watt

Solar Charge Controller

- **Supported batteries:** Lead acid, Li-Ion, LiFePO4
- Three stage battery charge monitoring algorithm
- Protections
 - Short circuit protection
 - Battery over charge protection
 - Battery deep discharge protection
 - PV reverse voltage polarity protection
 - Battery reverse voltage polarity protection

1) ETSLCC Controller

- Constant voltage load output
- Available for 12v/24v battery config
- Mobile charging USB port
- Load shutdown switch
- Multiple load output
- Solar Panel dusk to dawn operation (Optional)

2) ETSLSC Controller

- Constant current load output
- Solar charge controller + LED driver for solar street-light
- Ideal power consumption < 5 ma
- Dual PWM dc-dc buck LED driver
- Late night dimming mode
- Available for solar street-lights from 6 watt to 30 watt

Product Code	Charging Current	Battery Supported	Output
ETSLCC-LA-06	6 ampere	Lead Acid	Constant Voltage
ETSLCC-LA-10	10 ampere	Lead Acid	Constant Voltage
ETSLCC-LA-12	12 ampere	Lead Acid	Constant Voltage
ETSLCC-LI-06	6 ampere	Lithium Ion	Constant Voltage
ETSLCC-LF-06	6 ampere	LiFePO4	Constant Voltage
ETSLCC-LA-30	30 ampere	Lead Acid	Constant Voltage
ETSLSC-LA-15	6 ampere	Lead Acid	Constant Current
ETSLSC-LA-24	10 ampere	Lead Acid	Constant Current
ETSLSC-LA-40	12 ampere	Lead Acid	Constant Current
ETSLSC-LI-15	6 ampere	Lithium Ion	Constant Current
ETSLSC-LF-15	6 ampere	LiFePO4	Constant Current



LED RGB Outdoor Decorative Wall-Washer

- Extremely flexible low maintenance lighting solution "washes" projection area with bright light
- Full RGB color-mixing produces 1 million colors allowing customizable light output
- Series of RGB high power LEDs
- Wireless operation, no signal cable needed
- Wireless operating range up to 500 meters
- Dual PWM based efficient buck driver
- Efficiency more than 90%
- Microprocessor based pattern generation
- Radio frequency dimming control
- Adjustable angle design and easy installation maximizes on site flexibility
- High brightness LEDs project up to 200 feet
- Addressable control
- Long life, low maintenance LEDs last up to 100,000 hours
- All units feature durable aluminium alloy housing with IP65 rating for plug-in use in wet locations
- Housing design protects electronics and LEDs from heat, prolonging life
- Suitable for heavy duty use (more than 12 hours per day)
- Three year warranty
- **Independent mode:** you can adjust the preset functions of lighting by button on the back of lighting
- **DMX mode:** DMX console to control the lighting
- **Operating voltage:** 150VAC – 260VAC, 24VDC



RGB Controller for LED modules

- RGB low power flexible strip or LED modules
- Wireless radio frequency dimming control
- Long life
- Addressable control
- Environment friendly, energy saving (80%)
- Low heat, low power consumption/high intensity
- Instant light up without flickering(<100ns)
- No RF interference, no IR/UV radiation, no mercury pollution
- Easy installation maintenance free
- Long lifespan: 40, 000hrs
- Range from 100w to 60KW
- **Independent mode:** you can adjust the preset functions of lighting by button on the back of lighting
- **DMX mode:** DMX console to control the lighting
- Operating voltage: 150VAC – 260VAC, 12VDC, 24VDC



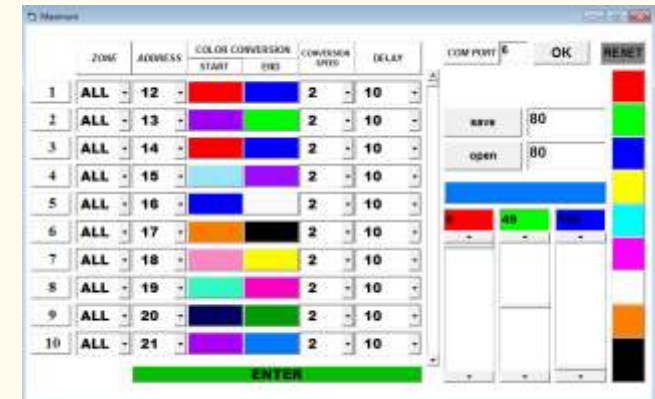
DMX Controller

- Radio frequency controlled wireless DMX controller
- Well-designed communication protocol
- 10,00,000 different colors available
- Full addressable control for all of our LED products
- Portable and easy to install
- 24 different pattern available
- User defined pattern generation
- In system flash to store user defined pattern
- Addressable control
- GSM/GPRS interfacing facility
- 500 meters wireless range
- USB interface
- Computer software to select colors and generated pattern



Graphical User Interface for Centralized Control of RGB Lamp

- Unique design for root level control of LED lights using computer device
- Customized pattern generation option
- Full addressable control for all of our LED products
- Unlimited pattern generation and storing capacity in excel format
- Dimming control
- DMX USB interface
- Easy to install
- System requirement: windows7/ windows8/ windows10





An effort to restore earth

Manufactured by

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