

BL22

Solar 2016 LED Four Lamp Billboard Light System

TECHNICAL SPECIFICATIONS

Manufactured in an ISO9001:2008 'Quality Assured' facility.

LIGHT FIXTURES

- Four 504 hyper-bright Cree® SMD/LED's light fixtures are supplied with this system. 16,128 Lumens total with all light fixtures in use.
- 504 hyper-bright Cree® LED's providing approx. 400 watts of incandescent light (per fixture).
- Each LED provides 8 Lumens per LED. Total 4032 Lumens (per fixture).
- Heavy duty, weatherproof sign light heads (adjustable tilt for accurate aiming).
- The weather resistant sign light has approx. 48' of pre-wired cable which is pre-plugged ready for easy connection to the battery box. All connections are simply plug & play.
- The sign light fixture is weather rated to I.P 65.
- The sign light fixture is supplied with a U shape mounting bracket which will allow for vertical adjustment of the light beam spread.
- Fixture dimensions (main sign light body) approx. 11" x 12" x 4" (LxWxD).
- The sign light fixtures are replaceable if required and have a typical lifespan of over 50,000 hours.

BATTERY

- Manufacturer is: East Penn Manufacturing Co. Inc.
- 100 % made in the USA.
- Model name: Intimidator (Deep Cycle Series)
- 24v DC system uses two 12 volt AGM type rechargeable batteries.
- Battery capacity is 198 Amp/Hour (at 20 Amp/Hour rate).
- Non-spillable (defined by DOT, ICAO and IATA), valve regulated for standby or deep discharge applications
- Not HAZMAT.
- Conforms to ISO9001, ISO/TS 16949 and ISO14001 standards.
- One year manufacturer's warranty.
- Typical battery life is approximately 3-5 years subject to environmental factors.

BATTERY BOX

- Galvanized steel battery box will accommodate the rechargeable battery.
- Welded anchor plates or pre-drilled holes to enable secure installation.
- Silver/gray/tan color finish. Custom colors by special order only.
- Battery box will vary depending upon the specifications of the system and batteries supplied.
- Connection wiring between the battery box, solar panel and lamp unit is included.
- The battery box has a hinged lid which is lockable (padlock not included).
- The battery box has an integral battery shelf and also houses the PCB controller.

SOLAR PANEL

- Two High quality, aluminum framed, powerful 140 watt solar panel fitted with weatherproof connector which connects directly to the battery box with approx. 18' of cable.
- Solar panels are typically supplied in a single, dual, tri, or quad format (2 x 140w = 140w).
- Typically about 6 hours of sunshine daily is required to enable full charge.
- Two special triangular mounting frames are included to allow the solar panel to attach to a vertical or horizontal surface with two holes pre-drilled into each section of the frame.
- 140w solar panel dimensions approx. 45" x 40" x 2" (LxWxD).
- 70w solar panel dimensions approx. 35" x 26.5" x 1.5" (LxWxD).



One Year*
Warranty ✓

Low Price
Guarantee ✓

No Hassle*
Returns ✓

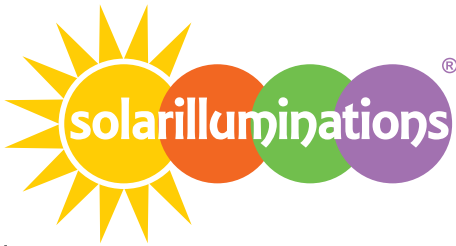
Worldwide
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MONDAY - FRIDAY 10.00AM - 4.00PM (US EASTERN TIME)

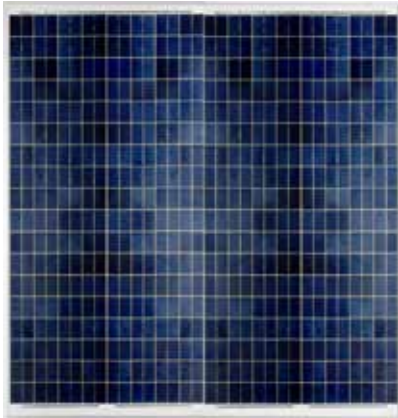
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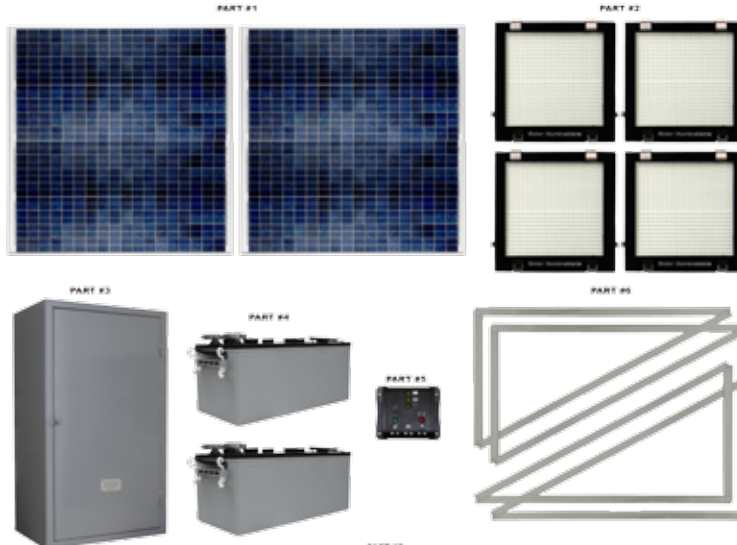
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CHARGE CONTROLLER/TIMER (PROGRAMMABLE CONTROL MODULE)



- This system includes a programmable control module and regulates and manages the solar panel power, battery power and illumination timer.
- The compact control module has LED indicators to display status, input connections for solar panel and batteries and output connections for the lamp.
- Push button programming.
- Accepts and controls GEL, AGM and sealed lead acid type (VRLA) batteries.
- Low voltage disconnect regulated by state of charge or voltage.
- Detects daytime and night time conditions via the solar panel.
- Automatic adaption to ambient temperature conditions.
- Safety features for short circuit and reverse polarity protection of battery and lamp inputs.
- Automatic voltage recognition (12v or 24v).
- Float voltage for 12v system is 13.7v dc and for 24v system is 27.4v dc.
- Low voltage disconnect for 12v system is 11.4 ~ 11.9v dc or for 24v system is 22.8 ~ 23.8v dc.
- Reconnect voltage for 12v system is 12.8v dc or for 24v system is 25.6v dc.
- Dimensions approx. 11 cm x 10 cm x 4 cm (4" x 4" x 1.5") LxWxD.
- Ambient temperature range -40 deg C ~ +50 deg C (-40 deg F ~ +122 deg F).
- Protection rating I.P.22
- Programmable lock-out feature for optional use to prevent accidental or unauthorized tampering.
- User programmable illumination time of up to 1 to 12 hours or dusk-to-dawn setting (where conditions permit).
- Default setting is typically dusk to dawn.
- User or installer can set the control module to run from dusk and then shut off after a certain amount of hours.
- For example from dusk for 4 hours then switch off, or run from dusk for 6 hours then switch off.
- Instructions are supplied should the user or installer need to program or re-program the module*.
- This system is designed for a 6-7 hour average run time, maximum of 8 hours. Setting it beyond this can affect the life and reliability of the system.



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