SOLAR LIGHTS
PV BASED
LIGHTING SYSTEM

APPLICATION

By using normal roadway lights by LED lights, we are taking part in energy saving and eco-friendly. Together with significant development of techniques, green energy lighting solution is highly developed and used widespreadly. Green energy based lighting solution.

Customers got many benefits such as energy-saving machine, safety, eco-friendly system, long period totally automation and low cost of maintenance.

Moreover, not only uses solar energy but the lighting system can also combines with wind energy to form a hybrid renewable system.

FEATURES

- Completely automatic system: Light is automatically turned on at night time or up to the adjustment of customer.

- Energy Saving: Thanks to storage energy from PV Panel, LED light is an energy saving lighting solution.

- Control and Saving Power: The System includes the intelligent charge controller and backup battery.

- Safe and Eco-friendly: The lighting system uses 12VDC voltage which is safe for customer and other people.

- Storm standing and Anticorrosion: The system is designed to stand level 12 storms and anticorrosion ability.

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PARAMETERS	SSL6-30	SSL8-60	SSL10-100	SSL12-150
Power	30W	60W	100W	150W
Battery Voltage	12VDC	12VDC	24VDC	24VDC
Luminous Flux	3300lm	6600lm	10800lm	17000lm
Luminous Efficacy	Up to 110lm/w	Up to 110lm/w	Up to 110lm/w	Up to 110lm/w
Illuminance	≥ 13.7lux @6m	≥ 11.8lux @ 8m	≥ 11.1 lux	≥ 10.1 lux
Illuminated Area	21x9m @6m	28x12m @8m	30x13 m @10m	38x17m
Lamppost Height	6m	8m	10m	12m
Gridline Backup Voltage	100V - 230VAC, 50Hz	100V - 230VAC, 50Hz	100V - 230VAC, 50Hz	100V - 230VAC, 50Hz
Backup Duration	Upto 30 hours	Upto 30 hours	Upto 18 hours	Upto 18.4 hours
Light's life	> 50.000h	> 50.000h	> 50.000h	> 50.000h
PV Power	155Wp	265Wp	530Wp	620Wp
Battery Capacity	12V - 150Ah	12V - 230Ah	24V - 230Ah	24V - 230Ah
Controller	Solar Trex pro, iLight60	Solar Trex pro, iLight60	Solar Trex pro, iLight150	Solar Trex pro, iLight150
Smart controller	Smart battery charger/ Protective battery/ Automatically turning light	Smart battery charger/ Protective battery/ Automatically turning light	Smart battery charger/ Protective battery/ Automatically turning light	Smart battery charger/ Protective battery/ Automatically turning light
Materials	Powder Coating Steel/ Embedded - in- molten- Zinc Steel	Powder Coating Steel/ Embedded - in- molten- Zinc Steel	Powder Coating Steel/ Embedded -in-molten- Zinc Steel	Powder Coating Steel/ Embedded -in-molten- Zinc Steel
Working Environment	Normal Area / Oceanic Area	Normal Area / Oceanic Area	Normal Area / Oceanic Area	Normal Area / Oceanic Area
Storm Standing Ability	Level-12 storm	Level-12 storm	Level-12 storm	Level-12 storm
Standards	TCXDVN 259:2001 TCVN 333-2005 CIE 115:1995 CIE 140:2000	TCXDVN 259:2001 TCVN 333-2005 CIE 115:1995 CIE 140:2000	TCXDVN 259:2001 TCVN 333-2005 CIE 115:1995 CIE 140:2000	TCXDVN 259:2001 TCVN 333-2005 CIE 115:1995 CIE 140:2000