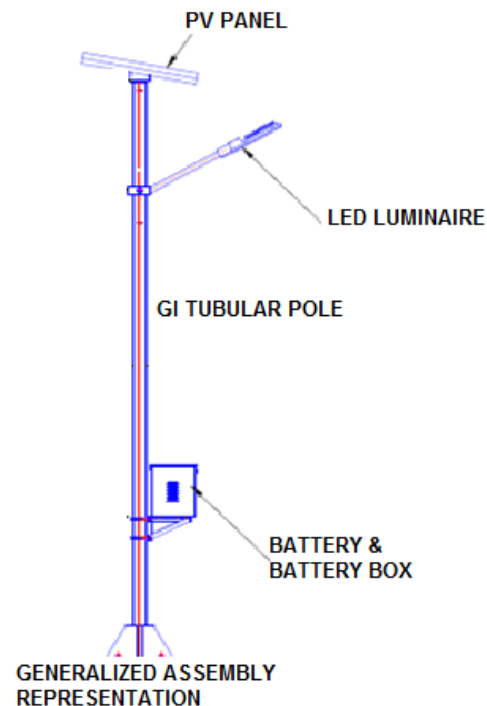


HALONIX 12W STAND ALONE SOLAR LED STREET LIGHT 30AH LIFEPO4 75Wp



Generalized Key Features-

- Complete system with Pole, Battery, Battery box, Battery Stand, PV Panel, PV Panel frame, LED Luminaire with inbuilt charge controller, luminaire mounting arm, wires, Nuts & Bolts and all required accessories.
- SEC/MNRE tested approved PV Panel & Battery.
- Aluminum die-cast IP66 LED Luminaire equipped with LM80 compliance high lumen efficacy LEDs.
- High efficiency solar charge controller with constant current LED Driver used within Battery voltage Range.
- Hybrid 230V AC option also available on request.
- Smart Solar- IOT/Bluetooth/ Wi-Fi/GPRS remote monitoring also available on request.
- Customization can be done on request.

TECHNICAL SPECIFICATIONS

Model No.	XXXX	SAP Code: XXXX	Qty.
Description	LED SOLAR SL SA 12W6M30AH75Wp LIFEPO4 WPCWL		
BATTERY			1 Nos.
Battery Voltage	12.8V DC		
Battery Type	12.8V 30AH Lithium Ferro Phosphate(LiFEPO4) Rechargeable- BIS Certified Cells		
LED FITTING			1 Nos.
LED Luminaire	12V 12W LED Luminaire made of PDC Aluminium housing IP 66 with Inbuilt Constant Current LED Driver & inbuilt Automatic dusk to dawn charge controller with more than 90% electronics efficiency		
LED Used	High brightness High power LEDs with lenses make- OSRAM/Nichia/Cree – LM80 Compliance		
Optics	Secondary Lenses Type-II distribution		
CCT	5700K to 6500K		
CRI	>70 for LED		
No Load current	Less than 20mA consumption		
Charge Controller	MPPT based automatic dusk to dawn ON/OFF		
PV PANEL			1 Nos.
PV Module	Multi-crystalline 75Wp PV Module under STC Make- IB Solar/ Neosol / HBL / Navitas / Jackson or equivalent MNRE/SEC Tested (considering charging time in 5.5Hours @ min. 1000 w/m ² Solar Irradiation over PV Panel)		
Mounting Structure & Accessories			1 Set
Pole Length	6 meter GI Tubular In-ground mounting pole with 3.6mm thick 76mm OD (5 meter above Ground and 1 Mtr. below the ground)		
Battery Box	Battery Box made of MS CRCA sheet duly Powder coated with printing of “HALONIX” Brand Name		
PV Frame	PV Panel frame made of MS angel duly powder coated / painted		
Nuts/volts & Accessories	Zinc Plated nuts n bolts along with foundation bolts as required, luminaire mounting arms, battery box stand and other accessories as required		
Wires	Suitable Wires for internal connection of battery- panel- luminaire		
Protection, Features & Application			
Dimming Type	Inbuilt pre-programmed time based dimming after dusk ON		
Duty Cycle	After dusk ON 12H per day- 100%-4H, 50%-8H		
Autonomy	3 days as per Duty Cycle per day at Battery full charge STC condition		
Protection	Over Charge , Deep Discharge , Reverse Polarity , Over load, Temperature Compensation, No Load, Short Circuit		
Indication	Green Blinking-Battery Charging ,Green Stable-Battery Fully Charge , Red-Battery Low Voltage		
Application	Street lighting , Parking Lighting , Public area Lighting, Secondary Road Lighting		

Key Notes-

- Battery Charging is depending upon availability of Sun Light over PV Panel, direction- south and cleaning of PV Panel.
- PV Panel calculation based on STC as per MNRE.
- Tolerance- ± 10%.
- Autonomy is as per duty cycle and based on Battery charging.

Prepared By :	AS	TDS No.	HTPL/SOLAR/01/0619/A-0015
Checked By :	KG	Description: LED SOLAR SL SA 12W6M30AH75Wp LIFEPO4 WP CWL	