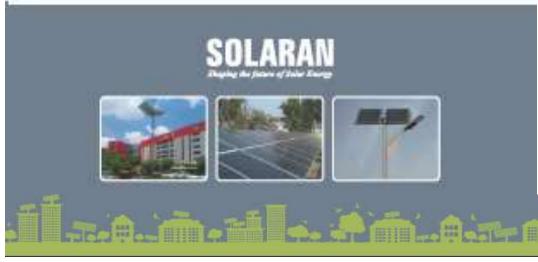


## **SOLARAN STAND ALONE SOLAR LED STREET LIGHT- Product Specification**

## HALONIX 18W SEMI INTEGRATED SOLAR LIGHT 12.8V 18AH LIFEPO4 WITH 75Wp PV PANEL









## **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.



# **SOLARAN STAND ALONE SOLAR LED STREET LIGHT- Product Specification**

## **TECHNICAL SPECIFICATIONS**

Optics Toughened glass CCT 5700K to 6500K	os. Current LED Driver &				
Battery Voltage  12.8V DC  12.8V 18 AH Lithium Ferro Phosphate(LiFEPO4) Rechargeable- BIS Certified Cells  LED FITTING  18W LED Luminaire made of PDC Aluminium housing IP 66 with Inbuilt Constant Const	os. Current LED Driver &				
Battery Type  12.8V 18 AH Lithium Ferro Phosphate(LiFEPO4) Rechargeable- BIS Certified Cells  LED FITTING  18W LED Luminaire made of PDC Aluminium housing IP 66 with Inbuilt Constant	Current LED Driver &				
LED Luminaire  18W LED Luminaire made of PDC Aluminium housing IP 66 with Inbuilt Constant Co	Current LED Driver &				
LED Luminaire  18W LED Luminaire made of PDC Aluminium housing IP 66 with Inbuilt Constant Co	Current LED Driver &				
inbuilt Automatic dusk to dawn charge controller along with Inbuilt Battery  LED Used High brightness High power LEDs with lenses make- OSRAM/Nichia/Cree – LM80 COPTICS Toughened glass  CCT 5700K to 6500K					
LED Used High brightness High power LEDs with lenses make- OSRAM/Nichia/Cree – LM80 COPTICE Toughened glass STOOK to 6500K					
Optics Toughened glass CCT 5700K to 6500K					
<b>CCT</b> 5700K to 6500K	High brightness High power LEDs with lenses make- OSRAM/Nichia/Cree – LM80 Compliance				
	Toughened glass				
CRI >70 for LED	>70 for LED				
No Load current Less than 20mA consumption	Less than 20mA consumption				
Charge PWM based automatic dusk to dawn ON/OFF	PWM based automatic dusk to dawn ON/OFF				
Controller					
PV PANEL 1 No	os.				
PV Module Multi Crystalline 75Wp					
Mounting Structure & Accessories 1 Se	et				
Pole Length NA	Length NA				
Battery Box NA	NA				
PV Frame NA	NA .				
Nuts/volts & NA	NA				
Accessories					
Wires Suitable 1 meter Wires for internal connection of battery- panel- luminaire					
Protection, Features & Application					
Dimming Type Inbuilt pre-programmed - After Dusk ON	Inbuilt pre-programmed - After Dusk ON				
Duty Cycle After dusk ON 12H per day- 100%-4H, 40%-8H					
Autonomy 1.5 days as per Duty Cycle per day at Battery full charge STC condition	1.5 days as per Duty Cycle per day at Battery full charge STC condition				
<b>Protection</b> Over Charge , Deep Discharge , Reverse Polarity , Over load, Temperature Compe	Over Charge , Deep Discharge , Reverse Polarity , Over load, Temperature Compensation, No Load,				
Short Circuit	Short Circuit				
Hybrid NA- On Demand only					
	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/06/1019/K-0105
Checked By :	KG	Description: LED SOLAR SEMI INT 18W18AH75Wp LIFEPO4 WOPCW	