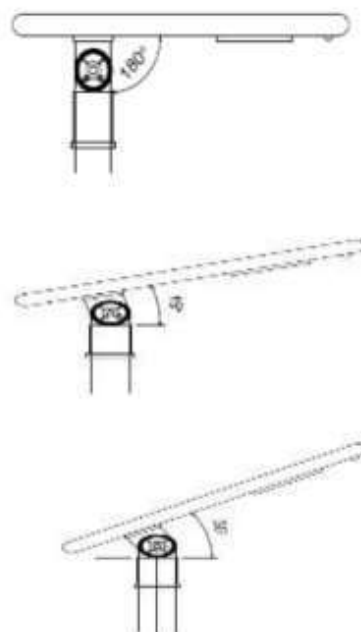<u>**HALONIX AIO INTEGRATED SOLAR LED STREET LIGHT 40W 36AH LIFEPO4 75Wp**</u>

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.
- Aluminium 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.

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* Specification can be change without any prior information & Picture may be differ as shown here.

Customer Care Service Toll Free No.: 1800-103-6564; website: www.halonix.co.in; Email: customercare@halonix.co.in

![HALONIX logo - Future is this]

TECHNICAL SPECIFICATIONS

Model No.	HLSSLINT0201140819-40W-WOP-CWL	SAP Code: LLD0002030	Qnty.
Description	LED SOLAR SLINTE02 40W75Wp36AHLIFEPO4WOP		
Battery			**Inbuilt**
Operating Voltage	12.8V DC		
Battery Type	12.8V 36AH Lithium Ferro Phosphate (Li-FePo4) Rechargeable- BIS Certified Cells- Future Tech/Coslight/Evolute or equivalent		
LED Fitting			**Inbuilt**
System Wattage	12.8V 40W LED Luminaire integrated with street light made of Aluminium extrusion and CRCA powder coated sheet with inbuilt charge controller having efficiency 90%, IP65 with perforation over front sheet for adequate heat dissipation		
Lumen Efficacy	>100 lm/w		
LED Used	>135 lm/w High brightness High power LEDs make- Osram/Cree/Nichia – LM80, L70 Compliance		
CCT	5700K to 6500K		
CRI	>70 for LED		
Charge Controller	PWM charge controller with Automatic dusk to dawn with enclosure		
Solar PV Module			**Inbuilt**
PV Module	Mono-crystalline 75Wp PV Module under STC equivalent MNRE/SEC Tested (considering charging time in 5.5Hours @ min. 1000 w/m^2 Solar Irradiation over PV Panel)		
Mounting Structure & Accessories			**Inbuilt**
Pole Length	Suitable to mount up to 5-7 meter pole– pole not included- Pole available on specific demand only		
Mounting Bracket	Adjustable aluminium die-cast bracket included		
Battery	Integrated inside the fitting		
PV Frame	Inbuilt with the fitting		
Wires	N/A		
Protection, Features & Application			
Dimming level	PIR motion sensor based dimming- 100% once motion detected and rest time operate at 30% load		
PIR Motion Sensor	Inbuilt- Initial 5 hours PIR sensor active- motion 100% no motion-30% (assuming max. motion-2Hours) ,next 5hours- PIR not in active – Run at 30% load , next 2 hours Motion PIR Active- motion 100% no motion-30% (assuming max. motion-1Hours)		
Duty Cycle	After dusk ON 12 Hours/day as per Dimming based on Motion sensor		
Autonomy	1.5 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 and other as applicable		
Hybrid	Not included / available on specific demand		
Indication	Green Blinking-Battery Charging , Green Stable- Battery Full Charge, Red Stable- Battery low voltage		
Application	Street lighting , Parking Lighting , Public area Lighting, Campus Lighting		

Key Notes-

- Battery Charging is depending upon availability of Sun Light over PV Panel, direction- south and timely 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 only.

Prepared By :	AS	TDS No.	HTPL/SOLAR/02/0819/K-0114
Checked By :	KG		Description: LED SOLAR SLINTE02 40W75Wp36AHLIFEPO4WOP

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