



**HAVELLS**

**enviro**  
HARNESSING LIGHT. HARVESTING ENERGY.

# **LI-FE SOLAR STREET LIGHT SYSTEM**

**MAINTENANCE FREE SOLAR STREET LIGHTS**



# HIGH RELIABILITY AND LOW COST OF OWNERSHIP.

Havells is leading the industry in both design and Technology for Solar Street lighting application. Our lighting solutions are fully solar-powered and environmentally friendly. Our innovative technology offers a convenient and sustainable alternative to your lighting requirements with bright illumination and easy maintenance.

## MAINTENANCE-FREE SYSTEM

At Havells', one of our main priorities is to ensure complete peace of mind for our customers. Thanks to our innovative system design and battery technology, our solar street lights require less maintenance compared to conventional solar street lights.

## THEFT RETARDANT SYSTEM

In our continued pursuit to offer you complete peace of mind, we design our systems with great concern

towards safety and security. The battery is fixed on the pole top which makes battery as theft retardant.

## LIFEP04 BATTERY

The Lithium Ferro Phosphate battery pack is combination of Maintenance free cells which are highly powerful with 90% Depth of discharge and designed to not only provide you with an extremely efficient energy storage but longer life and faster charging as well. Our batteries include an in-built BMS for battery safety.

## EASY TRANSPORTATION FAST INSTALLATION

Our modular approach towards design keeps the number of components to a minimum which helps in easier transportation and faster installation. There by increasing economic savings to customers.

LED streetlight with  
in-built solar charge  
controller

Poly crystalline solar  
pv module

HDG module  
mounting structure

Lithium ferro  
phosphate battery  
(LiFeP04)

Hot dip galvanized  
tubular pole

# LOADED WITH BENEFITS

BESIDES THE TECHNOLOGY AND DESIGN, THERE ARE A NUMBER OF ADVANTAGES THAT SET OUR LI-FE STREET LIGHT SOLUTIONS APART FROM THE COMPETITION.

## SOLAR LUMINAIRE - BENEFITS



- High Power LED delivers system lumen output > 120 Lm/ W. This minimizes size of solar panel and battery thereby reducing overall system cost.
- Optical lens as per road lighting standards
- Aluminum pressure die casting & IP 66 protection from dust and water
- Green LED indication for solar charging. Red LED indication for battery low
- Inbuilt MPPT Solar Charge controller to extract maximum power from PV module
- Charging algorithm specially designed for LifePO4 battery to ensure efficient battery charging & longer life.
- Automatic Dusk to Dawn operation

## BLUETOOTH UPGRADE

An optional paid upgrade allows system health scanning of street light. Using Havells app, the user can view system performance and customize system parameters.



Havells application can be downloaded from google play store.

## PRODUCT RANGE:

Sl. no.	FG code	System Voltage	Luminaire Wattage	Lumen/watt	Solar charge controller	Solar PV module (Wp)	Battery (Ah) - Lifep04	Backup	Hot Dip Galvanized Tubular Pole above ground	Bluetooth connectivity
1.	LHSTAKU7AAND007	12 V	7 W	> 120 lm/W	MPPT	40 Wp	12.8 V 10 Ah	2 days	4M TUB Pole	Optional
2.	LHSTAKU7AANI012	12 V	12 W	> 120 lm/W	MPPT	40 Wp	12.8 V 20 Ah	2 days	5M TUB Pole	Optional
3.	LHSTANU7AANI015	12 V	15 W	> 120 lm/W	MPPT	50 Wp	12.8 V 25 Ah	2 days	5M TUB Pole	Optional
4.	LHSTARU7AANI020	12 V	20 W	> 120 lm/W	MPPT	75 Wp	12.8 V 30 Ah	2 days	5M TUB Pole	Optional
5.	LHSTARU7AANI024	12 V	24 W	> 120 lm/W	MPPT	80 Wp	12.8 V 35 Ah	2 days	5M TUB Pole	Optional
6.	LHSTAPU7AAAI030	12 V	30 W	> 120 lm/W	MPPT	100 Wp	12.8 V 45Ah	2 days	5M TUB Pole	Optional

## FLEXIBLE MOUNTING OPTIONS

- The mounting structure of solar panel can be easily directed towards southern direction
- Solar panels can be tilted to different angles to ensure maximum performance
- Very easy and fast installation of the system which reduces overall installation cost

## POLE & ACCESSORIES

- Hot-dipped galvanized tubular pole
- Galvanized bracket and mounting structures
- Compact installation kit - no loss of accessories during transportation
- Very easy to store and transport

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