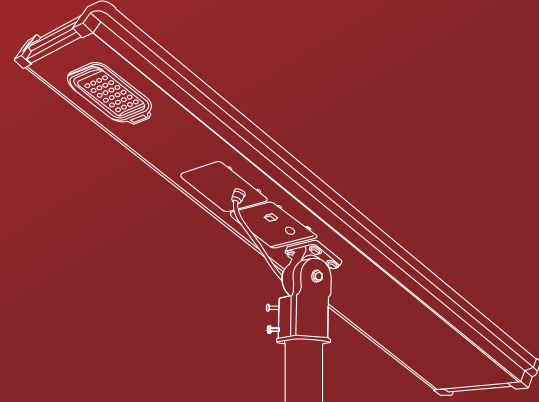


 **ANCHOR**  
by **Panasonic**

  
**CHARGE UP  
THE FUTURE**  
SOLAR POWER SOLUTIONS

**SAFETY, RELIABILITY,  
SUSTAINABILITY**  
WITH SOLAR STREETLIGHTS



**Panasonic**

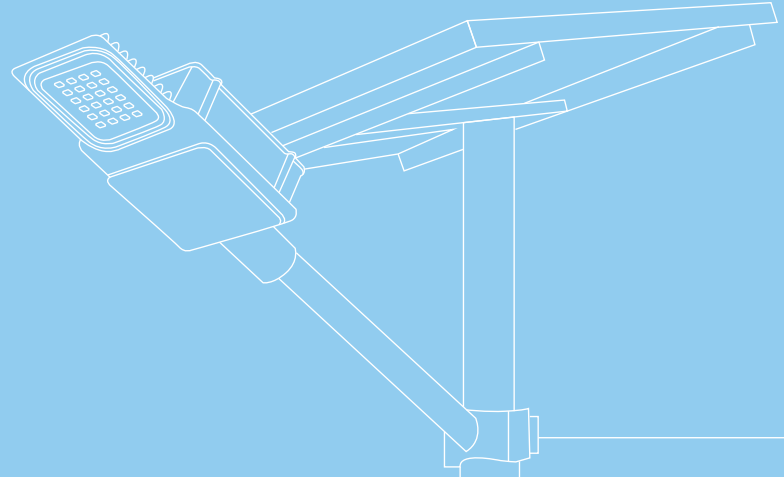
**PANASONIC LIFE SOLUTIONS INDIA PVT. LTD.**  
3rd Floor, B Wing, I-Think Techno Campus, Pokharan Road No.  
2, Thane (W), Thane - 400 607, Maharashtra, India.  
Website: [www.lsin.panasonic.com](http://www.lsin.panasonic.com) | Customer Care No.  
:022-41304130 | Email: [solar@in.panasonic.com](mailto:solar@in.panasonic.com)



For warranty details,  
please Scan QR Code



**ALL IN ONE | DC | STANDALONE**



# Solar Streetlights

THE PERFECT COMBINATION  
OF DESIGN, TECHNOLOGY  
AND SUSTAINABILITY!

The transition to clean-tech energy solutions is not just a global phenomenon, but the need of the hour. The solar business unit of Panasonic, understands that sustainability is a way of life.

With over 45 years of experience in the solar sector, Panasonic believes that solar remains the driving force in building a cleaner ecosystem for everyone. This thought process makes us an ever evolving, solar manufacturing and services company.

We cater to a wide range of offerings such as solar modules, solar inverters, solar streetlights, EV chargers and turn-key EPC solution as per emerging market needs.

Introducing our advanced solar streetlights, designed to set a new standard in outdoor lighting. Equipped with high-performance Monocrystalline Solar Panels and reliable Lithium Ferro Phosphate Batteries, these streetlights capture and store energy with maximum efficiency. Boasting an impressive LED lifespan of 50,000 hours, they provide long-lasting, brilliant illumination. Enhanced optics ensure superior light distribution, while corrosion-resistant materials offer robust protection against the elements. Experience dependable, high-quality lighting that stands the test of time.



Made in India



Monocrystalline Solar Panels



50,000 Hrs. of LED life



Lithium Ferro Phosphate Batteries



Ingress Protection



Corrosion Resistance



Motion Detection Sensor

## AIO | Hybrid AIO

Introducing AIO - All-in-One solar street lights, a unique blend of monocrystalline solar panels, reliable batteries and high lumen LED that are energy saving. Moreover, these are easy to maintain and provide high illumination; making them ideal for all public places. Further, these are long lasting and one-stop-solution serving all kinds of public and private infrastructure requirements. (E.g. highways, rural areas, schools, college campuses, hospitals, museums, govt. spaces and parks etc.)

**Also available in Hybrid Option**



AIO/HYBRID Solar LED Street Lights Range



60 mm thickness across SKUs.

## ALL IN ONE INTEGRATED MODELS

Model No.	PA012W11 MLF2404	PA015W11 MLF2404	PA020W11 MLF2404	PA024W11 MLF2404	PA030W11 MLF2404	PA040W11 MLF2404	PA050W11 MLF2404	PA060W11 MLF2404	PA080W11 MLF2404	PA100W11 MLF2404
LED Luminaire Rating (W)	12	15	20	24	30	40	50	60	80	100
Rated Lumen Efficacy (Lm/W)	Upto 150Lm/W									
Rated Lumen Output (Lm)	upto 1800Lm	upto 2250Lm	upto 3000Lm	upto 3600Lm	upto 4500Lm	upto 6000Lm	upto 7500Lm	upto 10000Lm	upto 12000Lm	upto 15000Lm
Color Temperature (CCT) & CRI	CCT: 5500K- 6500K & CRI>70*									
Luminaire Weight (kg)	10	12	14	15	17	25	28	32	36	42
Life (Hrs)	50000Hrs									

### SOLAR PV MODULE

PV Module Rating (Wp)	30	40	50	60	75/80	100	125	150	180	200
Panel Type	Mono PERC									
Panel Dimension L x W x H (mm)	775x340 x60	775x340 x60	920x340 x60	1060x340 x60	1280x340 x60	1065x505 x60	1250x505 x60	1550x505 x60	1840x510 x60	2000x510 x60

### BATTERY

Rated Battery Capacity (Ah)	12	18	18	24	30	36	48	54	72	96
Rated Battery Voltage (V)	12.8V									
Battery Type	Lithium Ferro Phosphate (LiFePO4)									
BMS Protection^	Yes									
Battery Backup with Dimming (Autonomy)	2 Days (24 Hours)									
Battery Life Cycles (Nos.)	2000 Cycles									

### DRIVER CHARACTERISTICS

Charge Controller Type	Efficient MPPT Algorithm Based									
DC Driver Efficiency	>92%									
Indications	Charging Indicator (Green Blinking), Low Battery Indicator (Red Blinking), Error Indicator (Both Blinking)									
Hybrid Option Available	Yes (On Additional Cost basis)									
AC Driver Efficiency	>85%									
Protections	Over Charge Protection, Deep Discharge Protection, Battery Reverse Polarity Protection, Load Short Circuit, Load Open Circuit Protection, Reverse Polarity Protection for Panel, Over Temperature Protection, AC Surge Protections of 10kV (only applicable for Hybrid AIO models)									

Model No.	PA012W11 MLF2404	PA015W11 MLF2404	PA020W11 MLF2404	PA024W11 MLF2404	PA030W11 MLF2404	PA040W11 MLF2404	PA050W11 MLF2404	PA060W11 MLF2404	PA080W11 MLF2404	PA100W11 MLF2404
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### REMOTE MONITORING SETUP (ON ADDITIONAL COST)

Connectivity	GSM Modem (2G)									
Data Visualization	Cloud Based Portal (Included for first five years, additional cost post that)									
Server Battery parameters	Battery voltage, Battery Current, Battery Power									
Server SPV parameters	Solar Voltage, Solar Current, Solar Power									
Server Load parameters	Load Voltage, Load Current, Load Power									
Faults, Date & Time	Battery fault, Module fault, Load fault, Date, Load Fault time, Load ON time, Load Off time, Fault time date, Fault rectification date									

### CONTROLS & DIMMING

Dimmable	Yes - Motion Detection									
Dimming Profile	Factory Configured**									
Motion Detection	PIR Sensor									
Sensor Make	Panasonic									
Sensor Range	12m					18m				

### PRODUCT FEATURES

IP Rating	IP65									
IK Rating	IK07 & Higher									
Recommended Mounting Height (Mtrs.)	5-6	5-6	5-6	5-6	5-6	6-8	6-8	7-9	8-10	9-12

## SUSTAINABLE LIGHTING SOLUTIONS

# DC Solar Streetlight

(Semi-Integrated)

DC (Semi-Integrated) streetlight comes with charge controller, LED, Battery built into a single luminaire housing with solar panel mounting separately. Its design separates the luminaire and solar panel offering flexibility to installation angle of luminaire and solar panel. Optimize energy harvesting by easily positioning the solar panel to face true south, while adjusting the luminaire tilt ensures precise illumination tailored to your needs.



**RETRO FITTING &  
SOLAR MODULE  
UPTO 100Wp**

## DC (SEMI-INTEGRATED) SOLAR STREETLIGHT

Model No.	PC009W11 x LF2414	PC012W11 x LF2414	PC015W11 x LF2414	PC020W11 x LF2414	PC024W11 x LF2414	PC030W11 x LF2414	PC036W11 x LF2414	PC040W11 x LF2414	PC050W11 x LF2414
LED Luminaire Rating (W)	9	12	15	20	24	30	36	40	50
Rated Lumen Efficacy (Lm/W)	Upto 150Lm/W								
Rated Lumen Output (Lm)	upto 1350Lm	upto 1800Lm	upto 2250Lm	upto 3000Lm	upto 3600Lm	upto 4500Lm	upto 5400Lm	upto 5800Lm	upto 7250Lm
Color Temperature (CCT) & CRI	CCT: 5500K- 6500K & CRI>70*								
Luminaire Weight (kg)	8	10	12	14	15	17	20	25	28
Life (Hrs)	50000Hrs								

### SOLAR PV MODULE

PV Module Rating (Wp)	30	40	50	60	75	100	125	125	150
Panel Type	Poly/Mono PERC								

### BATTERY

Rated Battery Capacity (Ah)	12	18	18	24	30	36	48	48	54
Rated Battery Voltage (V)	12.8V								
Battery Type	Lithium Ferro Phosphate (LiFePO4)								
BMS Protection <sup>^</sup>	Yes								
Battery Backup with Dimming (Autonomy)	2 Days (24 Hours)								
Battery Life Cycles (Nos.)	2000 Cycles								

### DRIVER CHARACTERISTICS

Charge Controller Type	Efficient MPPT Algorithm Based								
DC Driver Efficiency	>92%								
Indications	Charging Indicator (Green Blinking), Low Battery Indicator (Red Blinking), Error Indicator (Both Blinking)								
Hybrid Option Available	No								
AC Driver Efficiency	NA								
Protections	Over Charge Protection, Deep Discharge Protection, Battery Reverse Polarity Protection, Load Short Circuit, Protection, Load Open Circuit Protection, Reverse Polarity Protection for Panel, Over Temperature Protection								

Model No.	PC009W11 x LF2414	PC012W11 x LF2414	PC015W11 x LF2414	PC020W11 x LF2414	PC024W11 x LF2414	PC030W11 x LF2414	PC036W11 x LF2414	PC040W11 x LF2414	PC050W11 x LF2414
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### CONTROLS & DIMMING

Dimmable	Yes - Motion Detection								
Dimming Profile	Factory Configured**								
Motion Detection	PIR Sensor								
Sensor Make	Panasonic								
Sensor Range	12m								

### PRODUCT FEATURES

IP Rating	IP66								
IK Rating	IK08								
Recommended Mounting Height (Mtrs.)	4-6	4-6	5-6	5-6	5-6	5-6	5-8	6-8	6-8

## MODULAR DESIGN FOR OPTIMIZED SOLAR LIGHTING

# Standalone Solar Streetlight

Standalone streetlight comes with modular design. Its modular design separates the luminaire, solar panel, and battery, offering unmatched flexibility. Optimize energy harvesting by easily positioning the solar panel to face true south, while adjusting the luminaire tilt ensures precise illumination tailored to your needs.

This simplifies installation and enhances serviceability, as individual component maintenance eliminates the need for extensive maintenance. Each component can be easily accessed and replaced, ensuring uninterrupted illumination. With streamlined maintenance tasks, experience efficiency and reliability in outdoor lighting solutions.



## STANDALONE SOLAR STREETLIGHT

Model No.	PD012WxLF2432	PD150WMLP2431	PD150WMLP2405
LED Luminaire Rating (W)	12	150	150
Rated Lumen Efficacy (Lm/W)	Upto 145Lm/W		
Rated Lumen Output (Lm)	upto 1560Lm	upto 21750Lm	upto 21750Lm
Color Temperature (CCT) & CRI	CCT: 5500K- 6500K & CRI>70*		
Luminaire Weight (kg)	2	6	6
Life (Hrs)	50000Hrs		

### SOLAR PV MODULE

PV Module Rating (Wp)	75	540	410
Panel Type	Poly/Mono	Mono	Mono

### BATTERY

Rated Battery Capacity (Ah)	30	126	90
Rated Battery Voltage (V)	12.8	25.6	25.6
Battery Type	Lithium Ferro Phosphate (LiFePO4)		
BMS Protection^	Yes		
Battery Backup with Dimming (Autonomy)	2 Days (24 Hours)		
Battery Life Cycles (Nos.)	2000 Cycles		

### DRIVER CHARACTERISTICS

Charge Controller Type	Efficient MPPT Algorithm Based		
DC Driver Efficiency	>92%		
Indications	Charging Indicator (Green Blinking), Low Battery Indicator (Red Blinking), Error Indicator (Both Blinking)		
Hybrid Option Available	No		
AC Driver Efficiency	NA		
Protections	Over Charge Protection, Deep Discharge Protection, Battery Reverse Polarity Protection, Load Short Circuit, Protection, Load Open Circuit Protection, Reverse Polarity Protection for Panel, Over Temperature Protection		

Model No.	PD012WxLF2432	PD150WMLP2431	PD150WMLP2405
<b>CONTROLS &amp; DIMMING</b>			
Dimmable	Yes - Motion Detection		
Dimming Profile	Factory Configured**		
Motion Detection	PIR Sensor		
Sensor Make	Panasonic		
Sensor Range	12m	18m	18m

### PRODUCT FEATURES

IP Rating	IP65		
IK Rating	IK08		
Recommended Mounting Height (Mtrs.)	5-6	11-12	11-12

# MAKE THE SHIFT TO SMART STREETLIGHT MANAGEMENT

## Remote Monitoring System for our range of Solar Streetlights

Transform the way you manage and maintain your solar streetlights with our advanced Remote Monitoring System (RMS). RMS is a cloud-based smart technology that helps you keep an eye on your solar streetlights from anywhere using the internet, offering exceptional reliability and ease of use to bring a new level of efficiency to your streetlight operations.

### KEY FEATURES



#### Real Time Monitoring

Access key electrical parameters instantly.



#### Alerts & Notifications

Get immediate alerts for faults and irregularities.



#### Comprehensive Reporting

Generate detailed performance and health reports.



#### Enhanced Maintenance

Reduce on-site inspections with remote oversight.



#### User friendly interface

Easily control your streetlight network from anywhere.



## CASE STUDIES



### PROJECT 1

AIO Solar Street Light in different rural areas



### PROJECT 2

AIO Solar Street Light, Educational Campus



### PROJECT 3

Hybrid AIO Solar Street Lights, Railway Platform



### PROJECT 4

Semi Integrated SSL, under CSR activity in different villages