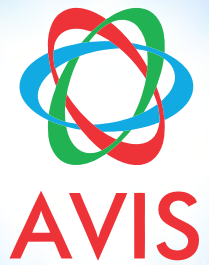


SOLAR POWER

THE BEST THINGS IN LIFE ARE FREE



Our comprehensive Solar solutions for home, small commercial, institutional and industrial applications

- Solar Street Lights
- Solar Home Power Pack (Battery backed Power Conditioning Unit)
- Mini Solar Power plants (Grid tie units) upto 10 KW
- Commercial scale Roof Top Solar power plants as EPC in the range of 10 KW upto 100 KW



AVIS SOLAR STREET LIGHT

Our Solar Street Light improves your outdoor lighting experience. Easy to install, highly dependable, requires low maintenance and completely negates the requirement for conventional Electricity supply.

Technical specification:

		Model				
Category		AVIS-LED-SSL-01	AVIS-LED-SSL-01	AVIS-LED-SSL-01	AVIS-LED-SSL-01	AVIS-LED-SSL-01
Size		9W	12W	15W	24W	36W
Luminaire type	Units	LED	LED	LED	LED	LED
LED Street Light Luminaire	Watts	9	12	15	24	36
Lumens output	Lumens	900	1200	1500	2400	3600
Solar Panel	Wp	37	75	75	100	150
Battery 12V, Flooded LA	Ah	40	75	100	100	150
Pole (Hot dip galvanized)	Mts	4	4	4	6	6
Luminaire casing		Poly carbonate	Poly carbonate	Poly carbonate	PC/Die cast Aluminium	PC/Die cast Aluminium
Solar panel type		Poly/Mono Crystalline	Poly/Mono Crystalline	Poly/Mono Crystalline	Poly/Mono Crystalline	Poly/Mono Crystalline
Battery box		100% Acid & Rust Proof + UV Proof Polymeric Battery Box				

Salient Features:

- Robust design and construction
- Requires least maintenance and replacement
- Best in class LED used for higher lumens output
- 3 days battery autonomy for each day of 12 hours operation
- A single day charge can last upto 3 days of operation
- Switches on automatically at dusk

AVIS SOLAR HOME POWER PACK

Our Solar Home Power Pack is a battery backed hybrid system; helps beat the power cuts and reduce the electricity bills like no other system. Our system helps optimize the usage of EB power during day time and also serves as back up at the time of long hours of power cuts. Suitable for home and small commercial establishment.

Technical data:

		Model			
Category		AVIS-HPP-300	AVIS-HPP-500	AVIS-HPP-750	AVIS-HPP-1000
System rating	Watts	300	500	750	1000
Solar Pv	Type	Mono/Poly Crystalline	Mono/Poly Crystalline	Mono/Poly Crystalline	Mono/Poly Crystalline
Panel size	Wp	75	75	75	75
No. of panels		2	4	6	9
Power conditioning unit	VA	500	500	750	1000
Battery 12V, Flooded LMLA	Ah	60	100	60	100
Battery Voltage	Volts	12	12	12	12
Batteries		2	2	4	4
Inverter Voltage rating	Volts	12/24	12/24	12/24	12/24
Back-up	Hours	4	4	4	4

Salient Features:

- Robust design, built to serve longer
- Requires minimal attention and maintenance
- Easy to install and operate
- Best in class components used to build system
- Tested and certified for system performance
- Requires minimum intervention
- Panels are guaranteed for life (25 years), Electronics for 2 years and batteries for upto 2 years
- User friendly operations

Typical usage data:

	Fluorescent	CFL (5W)	Ceiling Fans	TV/PC
300 VA	2	2	2	0
500 VA	3	3	2	1
750 VA	4	4	4	1
1000 VA	4	4	4	2

We can also offer solution to convert your home inverter into solar inverter. For details contact us.

MINI SOLAR POWER PLANTS

Our mini Solar Power Plants cater to large spectrum of users starting from large home consumers, small commercial establishment, schools, residential schools, hospitals and small offices. The system operates in grid-tie configuration and can meet majority of energy demand.

Mini Solar Power Plant is a typical roof top solution and the area required for the system is optimised. Our Solar Power Plants offer flexibility of usage and wide variety of equipment can be operated.

Technical specification:

		Model				
Category		AVIS-SPP-02	AVIS-SPP-03	AVIS-SPP-04	AVIS-SPP-05	AVIS-SPP-06
Power Plant	Rating	2 KW	3 KW	4 KW	5 KW	6 KW
Solar Panel	Type	Mono/Poly crystalline	Mono/Poly crystalline	Mono/Poly crystalline	Mono/Poly crystalline	Mono/Poly crystalline
Inverter Size (Single Phase)	VA	upto 4000	upto 4000	upto 4000	upto 5000	upto 6000
Roof space required	Sq. mts	16	24	32	39	46
App. yearly generation	kWh	2680	4020	5360	6700	8040
Family size	members	3	4	5>	5>	6
App. Yearly Consumption	kWh	3600	4800	6000	7200	8400
App. Yearly savings		>61%	>77%	>84%	>89%	>92%
Reduction in GHG	Tons/yr	3.27	4.90	6.53	8.17	9.80

Appliances that can be operated:

Fluorescent Light, CFL, Ceiling Fans, TV/PC, Fridge, Grinder (Int.), Mixer/Blender, Washing Machine (Int.), Air Cooler & Air Conditioner*

Benefits:

- Generating own electricity allows you to take control of your electricity bills
- Freedom from power cuts
- Shortest pay-back period

Reasons to choose our solutions:

- Robust design, built to serve longer
- Requires minimal attention and maintenance
- Easy to install and operate
- Best in class components used to build system
- Components approved by MNRE
- Warranty: Panels – 10 year labor, 25 years performance warranty, Inverter 5 years.

* Air conditioner can be operated in 5 & 6 KW units only.

EPC Contracts:

AVIS can offer comprehensive solutions to project developers including design, sourcing, supply, execution, installation and commissioning.

AVIS can undertake EPCs on behalf of clients in the range of 10 KW upto 100 KW in roof top systems.



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