

श्रीSOLAR®

www.shrisolar.com

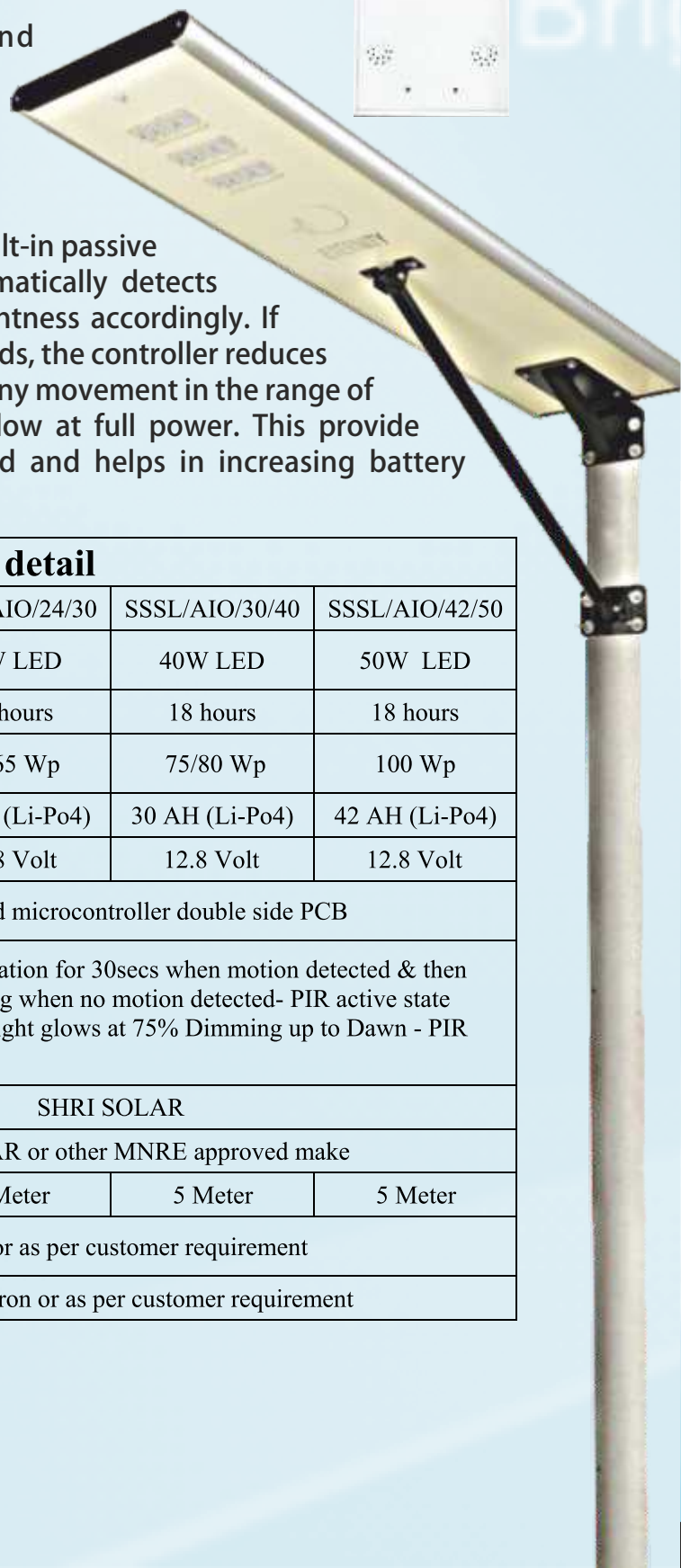


SHRI BADRINATH VAIKALPIK URJA LTD.

SOLAR STREET LIGHTS (ALL IN ONE)

FEATURES:

- 1) Micro-processor based intelligent and efficient indigenous design
- 2) Easy to install off-grid system.
- 3) Theft proof long life lithium battery pack
- 4) All in one solar street-light comes with built-in passive infrared PIR motion sensor which automatically detects human/traffic presence adjusts LED brightness accordingly. If there is no motion for more than 30 seconds, the controller reduces brightness to fifty percent. On detecting any movement in the range of 12meters, the light will automatically glow at full power. This provide required illumination only when needed and helps in increasing battery backupperiod.



Technical detail

SN	Model	SSSL/AIO/18/20	SSSL/AIO/24/30	SSSL/AIO/30/40	SSSL/AIO/42/50
1	Luminaries Wattage	20W LED	30W LED	40W LED	50W LED
2	Illumination hours	18	18 hours	18 hours	18 hours
3	SPV Module (MONO)	50 Wp	60/65 Wp	75/80 Wp	100 Wp
4	Battery	18 AH (Li-Po4)	24 AH (Li-Po4)	30 AH (Li-Po4)	42 AH (Li-Po4)
5	Battery Voltage	12.8 Volt	12.8 Volt	12.8 Volt	12.8 Volt
6	Charge controller unit	MPPT based microcontroller double side PCB			
7	Dimming with Motion sensor (PIR)	First 4Hours: 100% illumination for 30secs when motion detected & then light glows at 75% Dimming when no motion detected- PIR active state Next 8Hours: By Default Light glows at 75% Dimming up to Dawn - PIR Deactive state			
9	Battery make	SHRI SOLAR			
10	Solar module make	SHRI SOLAR or other MNRE approved make			
11	Pole length	5 Meter	5 Meter	5 Meter	5 Meter
12	Pole diameter (OD)	75 mm or as per customer requirement			
13	Pole	Galvanized Iron or as per customer requirement			

SHRI SOLAR STREET LIGHT (SEMI INTEGRATED)

Technical detail for solar street light (Semi integrated)					
SN	Description	SSSL-12/12/50	SSSL-15/18/60	SSSL-20/24/75	SSSL-25/30/100
1	Illumination hours (Backup)	14 hours	18 hours	18 hours	18 hours
2	SPV Module	50 Wp	60 Wp	75 Wp	100 Wp
3	Battery	12 AH (Li-Po4)	18 AH (Li-Po4)	24 AH (Li-Po4)	30 AH (Li-Po4)
4	Battery Voltage	12.8 Volt	12.8 Volt	12.8 Volt	12.8 Volt
5	Luminaries	12W LED	15W LED	20W LED	25W LED
6	Charge controller unit	microcontroller based double side PCB			
7	Dimming	10% Dimming after 2 hours, 40% after 4hours and 50% after 6 hours, it can change depend upon customer requirement			
8	Operating hour	Dusk to Dawn			
9	Battery make	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR
10	Solar module make	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR
11	Pole length	5 Meter	5 Meter	5 Meter	5 Meter
12	Pole diameter (OD)	75 mm	75 mm	75 mm	75 mm
13	Pole	Galvanized Iron	Galvanized Iron	Galvanized Iron	Galvanized Iron
14	Other mechanical parts	MS with epoxy pent	MS with epoxy pent	MS with epoxy pent	MS with epoxy pent





LED AC FLOOD LIGHT

TECHNICAL DETAILS					
Product Code	Rated Wattage	Input Voltage Range	Lumen	LED Type	Life Hours
SSSL-LEDFL-030	30 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDFL-050	50 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDFL-100	100 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDFL-150	150 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDFL-200	200 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K

KEY FEATURES:-

- Luminary IP rating :- IP67
- System power efficiency :- >0.90 %
- Input voltage Range :- 100V-400V ~50 HZ
- Working temperature :- 20 deg to 50 deg C
- Correlated colour Temperature: - 5700-6500K (Cool White) with test certificate.
- Luminary casing:- compact light weight weatherproof outdoor design in Aluminum Die Casting.



LED AC STREET LIGHT

TECHNICAL DETAILS					
Product Code	Rated Wattage	Input Voltage Range	Lumen	LED Type	Life Hours
SSSL-LEDSL-030	30 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDSL-050	50 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDSL-100	100 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDSL-150	150 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K
SSSL-LEDSL-200	200 WATT	100V-400V	>130Lm/W	HIGH POWER LED /1W	40K-50K

KEY FEATURES:-

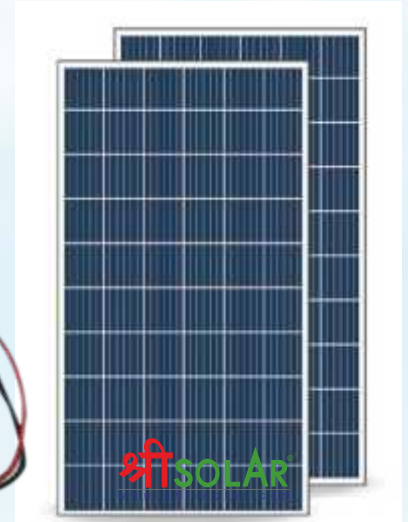
- Luminary IP rating :-Ip67
- Power factor :->0.90
- Input voltage Range :-100V-400V ~50 HZ
- Working temperature :- 20 deg to 50 deg C
- Correlated colour Temperature: - 5700-6500K (Cool White)with test certificate.
- Luminary casing:-compact light weight weatherproof outdoor design in Aluminum Casting Die.



**SOLAR INVERTER
(OFF-GRID)**



Lithium Battery



Solar Module

SHRI SOLAR ENERGY STORAGE SYSTEM (SSESS)

SHRI SOLAR's SSESS Series is the No.1 trusted solar inverter technology in the Indian Market. Smart management of renewable Solar Power, Grid Supply and Battery allows it to deliver power seamlessly for all electrical applications, thus significantly reducing Diesel consumption and electricity bill. Built for high performance against the typically tough Indian grid conditions.

SSESS Series provides you an economical power solution and gives the benefit of optimal renewable energy, 365 days a year.

With SHRI SOLAR's range of SSESS series 1P inverters, gone are the time where the entire family had to sit in one room in case of a power

Now ruwer cut.

on your heavy loads with powerful designs from SHRI SOLAR, India's most popular Off Grid Solar Inverters that help to save on your electricity costs

Smart management of renewable solar power, Grid supply, and Battery allows it to deliver power seamlessly, significantly reducing diesel consumption and electricity bill.

Applications



Residences



Bank ATM



Shops



Clinics



Gyms



Small Offices

IMPORTANT FEATURES:

- Lithium Ferro phosphate (Li-Po4):-
 - Its size is about one-fifth the ratio of conventional Lead Acid Batteries and it has a longer life.
 - It is environment friendly and free from any kind of pollution.
- MPPT based solar charging for maximum power conversion. Automatic priority setting for maximum solar utilization in PCU.
- 2 options in each rating from which you can choose as per your requirement.

SHRI SOLAR ENERGY STORAGE SYSTEM (SSESS)

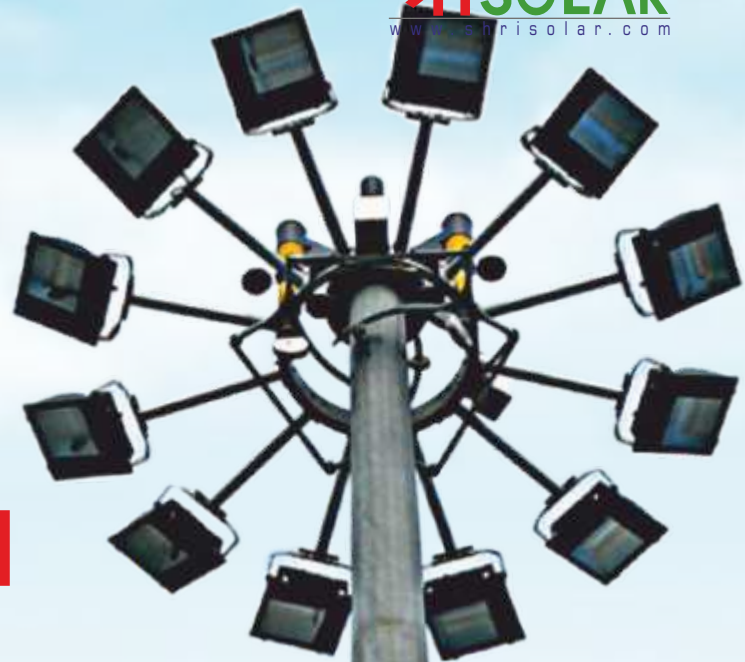
Model No	SSESS-1P2402-4M	SSESS-1P2402-6M	SSESS-1P4 805-8M	SSESS-1P4805-15M
Rating	2KVA	2KVA	5KVA	5KVA
Maximum operating Load	1600 W	1600 W	4000W	4000W
Solar Module Capacity	4 x 335 Wp	6x 335 Wp	8 x 335 Wp	15x 335 Wp
Battery Bank	2.0 KWH	2.4 KWH	4.8 KWH	4.8 KWH
Battery Type	LFP- (Li-Po4) Long life, compact size, and maintenance free			
A-MPPT CHARGER				
Type	MPPT			
Nominal Capacity (KWp)	2		5	
No of MPPT Channel	1			
max Open circuit voltage	90		190	
MPPT Tracking range (Vmp)	35-72		75-160	
maximum output current (A)	80		100	
peak efficiency	>92%		>94%	
B- SOLAR INVERTER				
Nominal Capacity (KVA)	2		5	
Output current	7		17.4	
Battery Voltage	24		48	
Output Voltage/ freq/Phase	230V(+_2%) 50 Hz/1P			
Power Factor	0.8-unity			
peak efficiency	>_ 85%		>_ 88%	
over loads:60 sec/30sec/5sec	101-110%/111-125%/126-150%			
auto bypass	Provided			
C- Grid Charger				
Grid Voltage Range (V)	230 (+10% & -20%)			
Grid Freq Range (Hz)	50 Hz(+5% & -5%)			
PROTECTIONS & DISPLAY PARAMETER				
PARTICULAR	PROTECTIONS		LCD PARAMETER	
PV Side	Reverse Polarity, PV over load, Surge Protection (MOV)		Voltage, Current, Power, Energy	
Battery Side	Reverse Polarity, O/U Voltage, Current Limit		Voltage, current, charging, discharging	
Grid Side	O/U Voltage, O/U Frequency, Surge Protection (MOV)		voltage, current, frequency	
Load Side	O/U Voltage, Overload, short Circuit, Surge Protection (MOV)		voltage, current, frequency, power	
Miscellaneous	Over Temperature		Mode of operation, Faults	



OCTAGONAL POLES

SN	MODEL NO	HEIGHT IN MTR	TOP DIA IN MM	BOTTOM DIA IN MM	SHEET THICKNESS IN MM	BASE PLATE THICKNESS IN MM	FOUNDATION BOLTS
1	SSOP-03	3	60	130	3	220X220X12	16X600X4
2	SSOP-04	4	60	130	3	220X220X12	16X600X4
3	SSOP-05	5	70	130	3	220X220X12	16X600X4
4	SSOP-06	6	70	130	3	220X220X12	20X600X4
5	SSOP-07	7	70	130	3	220X220X12	20X600X4
6	SSOP-08	8	70	135	3	225X225X12	20X750X4
7	SSOP-09	9	70	155	3	260X260X16	20X750X4
8	SSOP-10	10	70	175	3	310X310X16	25X750X4

HIGH MAST POLE



MODEL NO.	UNIT	SSHM-16	SSHM-20	SSHM-30
LENGTH OF MAST		16 MTR	20 MTR	30 MTR
MATERIAL CONSTRUCTION	-	S355 GRADE/BSEN10025	S355 GRADE/BSEN10025	S355 GRADE/BSEN10025
NO. OF LONGITUDINAL WELDS	NO.	SINGLE/DOUBLE	SINGLE/DOUBLE	SINGLE/DOUBLE
TOP/ BOTTOM DIA	MM	150/360	150/410	150/540
CROSS SECTION OF MAST	NO.	12 SIDED	16 SIDED	18 SIDED
THICKNESS OF SECTION	MM	3,3	3,4	4,4,5
THICKNESS OF GALVANISATION (avg)	MM	AS PER BSEN ISO1461	AS PER BSEN ISO1461	AS PER BSEN ISO1461
SIZE OF BASE PLATE	MM	540	590	730
THICKNESS OF BASE PLATE	MM	25	20	30
FOUNDATION				
NO. OF BOLTS	NO.	8	8	12
PCD OF FOUNDATION	MM	440	490	650
BOLT DIAMETER	MM	M25X850	M25X850	M25X850
WINCH				
NO.DRUMS		2	2	2
CAPACITY	KG	SWL750	SWL750	SWL750
WIRE ROPE (NOS/THK)	NOS/MM	01/06MM	01/06MM	01/06MM
POWER TOOL(REVERSIBLE)		415V/3PH	415V/3PH	415V/3PH
SIZE OF INDIAN FLAG	FEET	12X18	14X21	20X30
NO.OF SECTIONS	-	2	2	3
NO. OF FITTINGS	-	200W 6NOS. LED FLOOD LIGHT	200W 9/12NOS. LED FLOOD LIGHT	200W 15/18NOS. LED FLOOD LIGHT



TECHNICAL DETAIL FOR SOLAR HIGH MAST LIGHT

SN	Description	SSHL-12/12/50	SSHL-20/24/75	SSHL-25/30/100
1	Illumination hours (Backup)	14 hours	18 hours	18 hours
2	SPV Module	4X50 Wp	4X75 Wp	4X100 Wp
3	Battery	4X12 AH (Li-Po4)	4X24 AH (Li-Po4)	4X30 AH (Li-Po4)
4	Battery Voltage	12.8 Volt	12.8 Volt	12.8 Volt
5	Luminaries	4X12W LED	4X20W LED	4X25W LED
6	Charge controller unit	Microcontroller based double side PCB		
7	Dimming	10% Dimming after 2 hours, 40% after 4hours and 50% after 6 hours, it can change depend upon customer requirement		
8	Operating hour	Dusk to Down		
9	Battery make	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR
10	Solar module make	SHRI SOLAR	SHRI SOLAR	SHRI SOLAR
11	Pole length	7 Meter	7 Meter	7 Meter
12	Pole diameter (Top/Bottom)	70/130	70/130	70/130
13	Pole	Galvanized Octagonal Pole	Galvanized Octagonal Pole	Galvanized Octagonal Pole
14	Other mechanical parts	MS with epoxy pent	MS with epoxy pent	MS with epoxy pent

FLAG MAST POLE

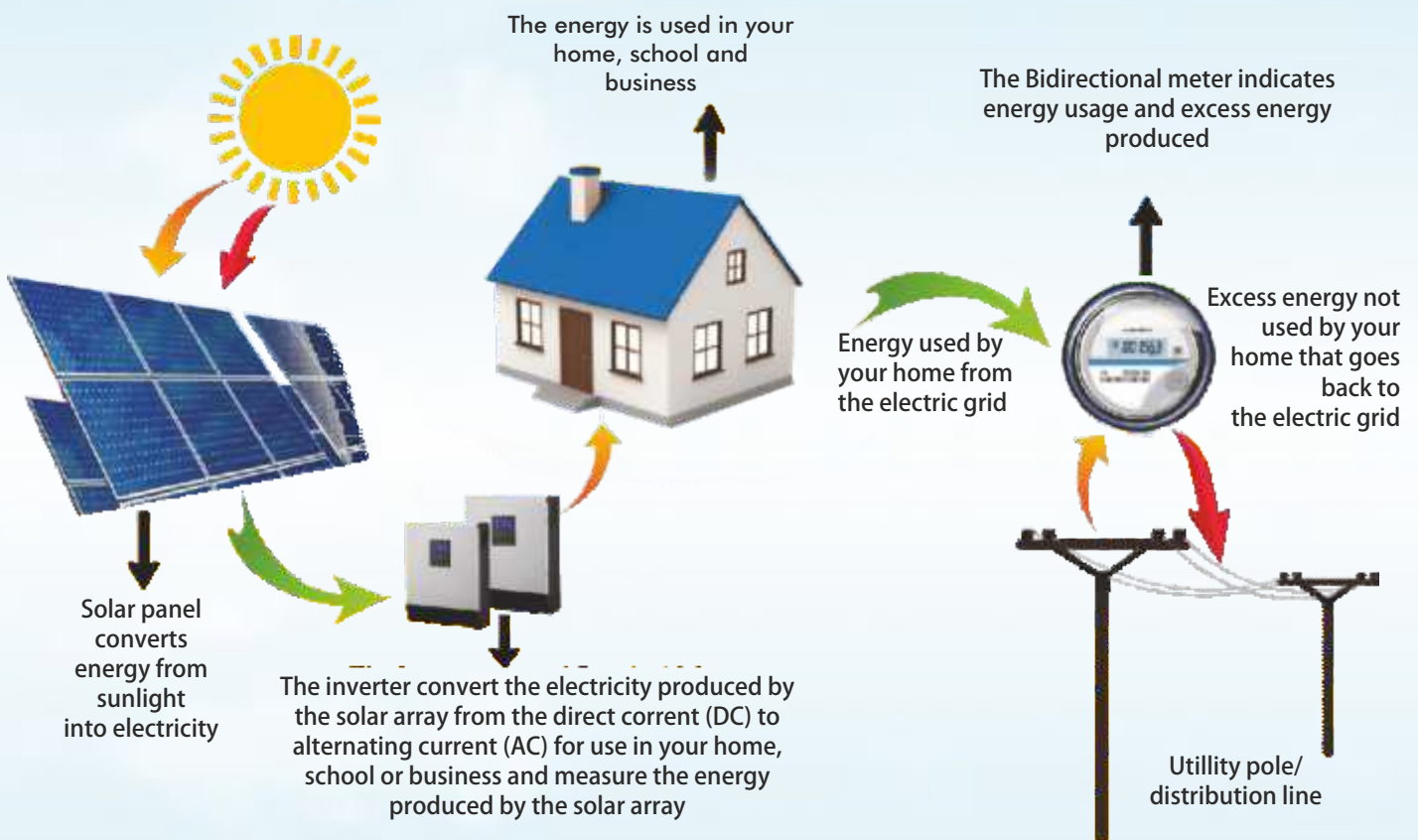
MODEL NO.	UNIT	SSFm-16	SSFm-20	SSFm-30.5
LENGTH OF MAST		16 MTR	20 MTR	30.5 MTR
MATERIAL CONSTRUCTION	-	S355 GRADE/BSEN10025	S355 GRADE/BSEN10025	S355 GRADE/BSEN10025
NO. OF LONGITUDINAL WELDS	NO.	SINGLE/DOUBLE	SINGLE/DOUBLE	SINGLE/DOUBLE
TOP/ BOTTOM DIA	MM	150/360	150/410	150/540
CROSS SECTION OF MAST	NO.	12 SIDED	16 SIDED	18 SIDED
THICKNESS OF SECTION	MM	3,3	3,4	4,4,5
THICKNESS OF GALVANISATION (avg)	MM	AS PER BSEN ISO1461	AS PER BSEN ISO1461	AS PER BSEN ISO1461
SIZE OF BASE PLATE	MM	540	590	730
THICKNESS OF BASE PLATE	MM	25	20	30
FOUNDATION				
NO. OF BOLTS	NO.	8	8	12
PCD OF FOUNDATION	MM	440	490	650
BOLT DIAMETER	MM	M25X850	M25X850	M25X850
WINCH				
NO.DRUMS		2	2	2
CAPACITY	KG	SWL750	SWL750	SWL750
WIRE ROPE (NOS/THK)	NOS/MM	01/06MM	01/06MM	01/06MM
POWER TOOL(REVERSIBLE)		415V/3PH	415V/3PH	415V/3PH
SIZE OF INDIAN FLAG	FEET	12X18	14X21	20X30
NO.OF SECTIONS	-	2	2	3
TYPE OF PAINT	-	PU PAINTED	PU PAINTED	PU PAINTED
OPTIONAL COMPONENTS				
LIGHT WITH ARRANGEMENT				

SHRI SOLAR POWER GENERATOR (IOCL MODEL)

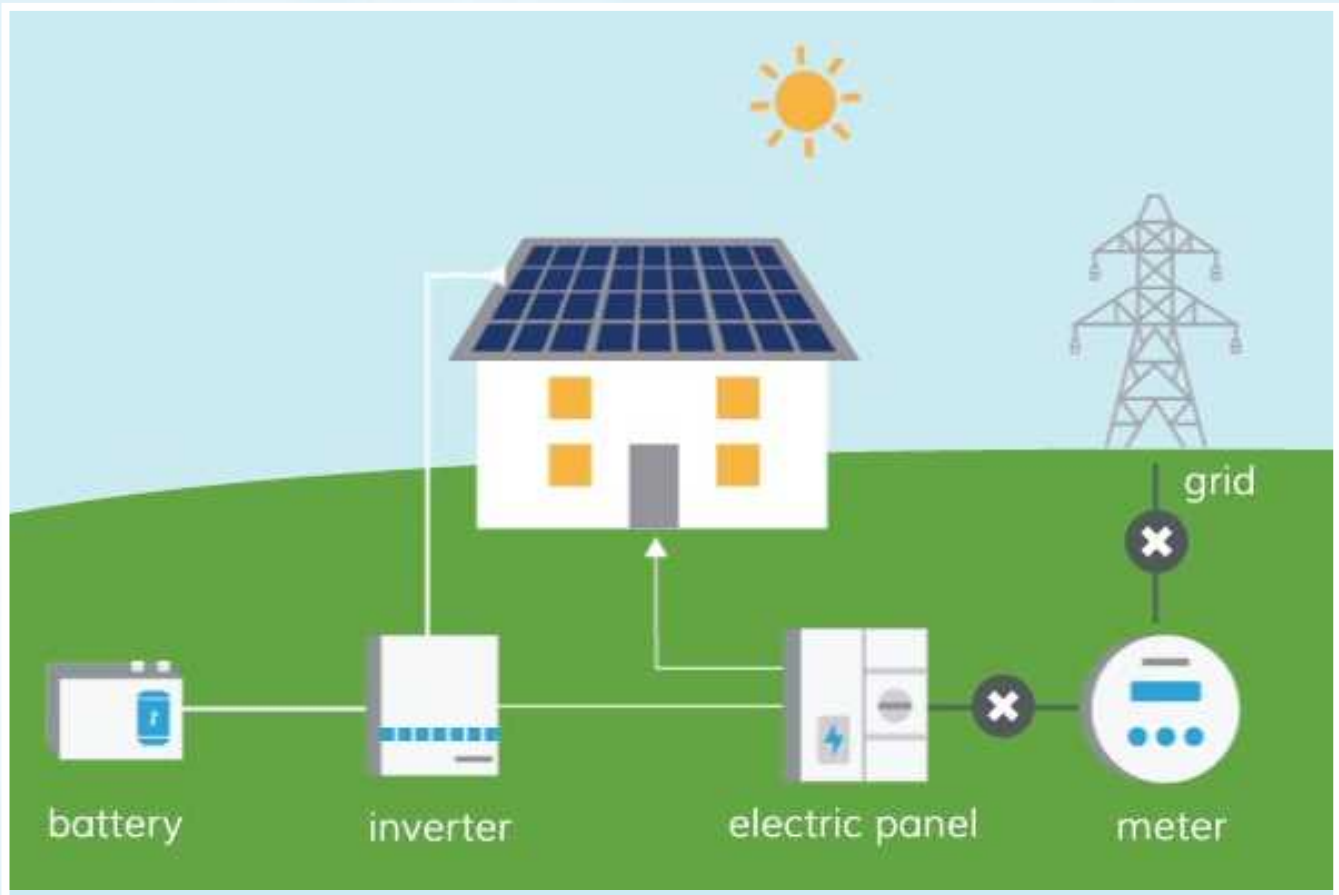


Model No	SSPG-IOCL-3KW	SSPG-IOCL-5KW	SSPG-IOCL-7KW	SSPG-IOCL-10KW
Inverter Rating	5 KVA	7.5 KVA	10 KVA	15 KVA
Solar Module Capacity	9 x 335 Wp	15x 335 Wp	21 x 335 Wp	30x 335 Wp
Battery	(12v- 100ah) x 10	(12v- 100ah) x 10	(12v- 200ah) x 10	(12v- 150ah) x 20
Battery Type	Lead acid tubular plate battery			
A-MPPT CHARGER				
Type	MPPT			
Nominal Capacity (KWp)	3	5	7	10
No of MPPT Channel	1			
max Open circuit voltage	360	360	360	700
MPPT Tracking range (Vmp)	165-299		365-560	
maximum output current (A)	40	64	80	60
peak efficiency	>94%			
B- SOLAR INVERTER				
Nominal Capacity (KVA)	5	7.5	10	15
Output current	17	27	35	52
Battery Voltage	120			240
Output Voltage/ freq/Phase	230V(+ 2%) 50 Hz/1P			
Power Factor	0.8-unity			
peak efficiency	> 90%			
over loads:60 sec/30sec/5sec	101-110%/111-125%/126-150%			
auto bypass	provided			
C- Grid Charger				
Grid Voltage Range (V)	230 (+10% & -20%)			
Grid Freq Range (Hz)	50 Hz(+5% & -5%)			
PROTECTIONS & DISPLAY PARAMETER				
PARTICULAR	PROTECTIONS		LCD PARAMETER	
PV Side	Reverse Polarity, PV over load, Surge Protection (MOV)		Voltage, Current, Power, Energy	
Battery Side	Reverse Polarity, O/U Voltage, Current Limit		Voltage, current, charging, discharging	
Grid Side	O/U Voltage, O/U Frequency, Surge Protection (MOV)		voltage, current, frequency	
Load Side	O/U Voltage, Overload, short Circuit, Surge Protection (MOV)		voltage, current, frequency, power	
Miscellaneous	Over Temperature		Mode of operation, Faults	

ROOF TOP SOLAR POWER PLANT (ON-GRID)



ROOF TOP SOLAR POWER PLANT (OFF-GRID)



SOLAR POWER PLANT

END-TO-END EPC SOLUTIONS

Site Visit

System
Design

NOC

Procurement

Inspection &
Commissioning

Utility
Interconnection

Monitoring
And
Maintenance

SHRI SOLAR WATER HEATER



Hot water throughout the year. The system works all

year round, though you'll need to heat the water further with a boiler or immersion heater during the winter months.

Reduced energy bills. Sunlight is free, so once you've paid for the initial installation your hot water costs will be reduced.

Lower carbon footprint. Solar hot water is a green, renewable heating system and can reduce your carbon dioxide emissions.

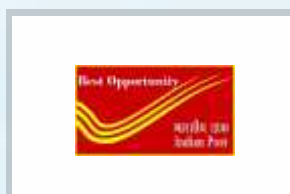
SN	Description	SSWH-200 LPD	SSWH-300 LPD	SSWH-500 LPD
Hot water storage tank & structure				
01	Inner tank material	Glepoxy coated,	Glepoxy coated,	Glepoxycoated,
02	Thickness of inner tank	1.5 mm	1.5 mm	2.0 mm
03	Outer tank material	Pre coated Galvanized Iron		
04	Insulation	PUF	PUF	PUF
05	Thickness of insulation	50mm	50mm	50mm
06	Mounting structure	Powder coated Mild steel	Powder coated Mild steel	Powder coated Mild steel
07	Electrical backup (optional)	2 KW	2 KW	3 KW
Evacuated tube collector (ETC):				
01	Number of ETC	20	30	34
02	Size	SS-5818 TX (Ø58mm×1800mm)	SS-5818, TX (Ø58mm×1800mm)	SS-5821 TX (Ø58mm×2100mm)
03	Material	7740 Grade, 3.3 Borosilicate Glass		
04	Absorptivity	96%	96%	96%

SOLAR WATER PUMP

- MNRE Approved
- Variety of flow rates available in 5 to 500 LPM
- Available at your Doorstep
- Simple Installation and No require Maintenance
- Suitable for day time Irrigation
- Ideal for Remotes Area, Where electricity is not available



Our Clients





SHRI BADRINATH VAIKALPIK URJA LTD.

(Head Office & Factory) Plot No. 122, Udhyog Kendra Extn. 2, Ecotech-III, Greater Noida (NCR) 201306 | E-mail: sanjay@shrisolar.com | Contact : 9997033838

(Registered Office) Daud Wala, PO-Mothrowala, Dehradun - UK (INDIA)-248001
E-mail: sanjay@shrisolar.com | Contact: 9311816661, 9311816662, 8979240333

(Branch Offices)

VARANASI : Naraur, Jagatpur, Near SBI, Allahabad Road-UP (INDIA)-221108
E-mail : info@shrisolar.com | Contact : 9311816657

BHOPAL : Vidhan Eleena B Tower, Flat No.506, DanishKunj, Bhopal (MP)-462042
E-mail : manoj@shrisolar.com | Contact : 9584220008

HALDWANI : 3/83, Pant Marg, Bhotia Padaw, Haldwani, (UK)-263139
E-mail : info@shrisolar.com | Contact : 8979240333



TOLL FREE

1800-572-4636