



IRAA ELECTRICAL

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What is solar Air Conditioner?

This solar air conditioner works like conventional air conditioner. The two major differences is existing AC use only electricity grid and existing AC takes high wattage to run and solar AC is such designed that it takes very low wattage. "Solar air conditioner" has three options – 1st Solar power, 2nd Battery bank, & 3rd Electricity grid. Solar AC the MGM Technology (Compressor) works like an accelerator in a car. When compressor needs more power, it gives it more power.

When it needs less power, it gives less power. With this technology, the compressor is always on, but draws less power or more power depending on the temperature of the incoming air and the level set in the thermostat. The speed and power of the compressor is adjusted appropriately. This technology is currently available only in split air conditioner.

What is benefit of Solar Air Conditioner?

This air conditioner will run continuously but will draw only that much power that is required to keep the temperature stable at the level desired. So it kind of automatically adjusts its capacity based on the requirement of the room it is cooling. Thus drawing much less power and consuming lesser units of electricity.

Difference between regular air conditioner and solar air conditioner

	Regular Air Conditioner	Solar Air Conditioner
Wattage	2000watt	800watt
Starting Load	3500watt	100watt
Running Amp	7 to 9 Amp	2 to 4.5Amp
Electric saving	-----	Upto 80%
Jerk Load	High Jerk	No Jerk
Compressor	Rotary / Hermetic	BLDC MGM
Direct Solar	N.A.	240VOC
Compatible Solar Compatibility	5kwatt Solar Plant with Inverter & Battery	Direct Solar Panel Compatible with 2500VA Inverter Battery
Unit Consumption on Electricity (per 10Hrs)	17 to 20Units	5 to 7 Units

'E' Model

This solar air conditioner is designed for urban/metro city where electricity cut is very less & where there is no space or roof for solar power plant and still need to save electricity bill. This Solar air conditioner is designed in such manner that you can save upto 80% electricity bill. This solar air conditioner is cost effective as no solar panel are required to run this air conditioner. This solar air conditioner can be run directly to 220V AC and can save upto 80% electricity Bill

'S' Model

"The rural areas and the Remote areas where there is heavy electricity cut off or no electricity" for such are Solarway has designed a 'S' Model Solar air conditioner. This Solar air conditioner can run directly on DC current or Directly through solar PV Module. This solar air conditioner can run directly through solar panels in Day time and on battery in night time. This is a hybrid Solar air conditioner which can run on Solar panels, Inverter battery and 240V AC or DC.

SAVING CALCULATIONS

Air Conditioner Types			SinFin 1.5Ton ('E' Model)	1.5Ton (5 Star Inverter)	1.5Ton (3 Star Inverter)
Per Hrs Consumption			0.8	1.92	3
Running Hrs	Day	Night			
8	0	8	6.4 Unit	15.36 Unit	23.68 Unit
12	4	8	9.6 Unit	23.04 Unit	35.52 Unit
16	8	8	12.8 Unit	30.72 Unit	47.36 unit
Savings in Percentage				58%	73%



***This solar air conditioner is tested by electronics and quality development centre (Govt. of India)**





SINFIN Ayurveda series



Where Science Meets Nature

**With Three Stage Neem Filter
For Fresh and Clean Air**



ANTIDUST
FILTER



ACTIVE
CARBON



AUTO
RESTART



SLEEP
MODE



TURBO
COOL



ENERGY
SAVER

SINFIN Ayurveda series

TECHNICAL SHEET

S.No	Specification Model	SWAY 1.5
01	Cooling Capacity BTU	13500 – 17000
02	Capacity(Ton)	1.5 Ton
03	Starting Current Amp.	0.5
04	Running Current Amp.	Min 0.8 Max 4.5
05	Air Flow	424/750
06	Refrigerant	R410/R32
07	Per Hour Unit Consumption	0.5 / 0.8
08	Compressor Magnetic/vibratic	Magnetic/vibratic
09	Air Filter	3 Stage Neem
10	Electricity Saving Comparison to Other AC	Upto 80%
11	Power Input	190V-250V AC
12	Sound Level (H/M/L)	38/34/31
13	Indoor Unit Dimensions Net Weight	895x360x295 mm 10.9 Kgs
14	Outdoor unit Dimensions Net Weight	915x600x350 mm 33 Kgs
	Noise level	33 Dba
	Power source Rating MCB	6A
	Power supply to Ref. max Piping Length	Indoor 15 Ft.

BLDC
TECHNOLOGY

100%
COOPER


STABILIER
FREE OPERATION

SOLAR PCU
COMPATIBLE

INVERTER
BATTERY COMPATIBLE




Air Conditioners for Comfortable Life

 Use High
Electric savings

 WiFi
Connected

 Green
Energy

 Cold in Summer
Hot in Winter

SINFIN HOT&COLD series

TECHNICAL SHEET

S.No	Specification Model	SWAY 1.5
1	Cooling Capacity BTU	13500 – 17000
3	Capacity(Ton)	1.5 Ton
4	Starting Current Amp.	0.5
5	Running Current Amp.	Min 0.8 Max 4.5
6	Air Flow	424/750
7	Refrigerant	R410/R32
8	Per Hour Unit Consumption	0.5 / 0.8
9	Compressor Magnetic/vibratic	Magnetic/vibratic
10	Electricity Saving Comparison to Other AC	Upto 80%
11	Power Input	190V-250V AC
12	Sound Level (H/M/L)	38/34/31
13	Indoor Unit Dimensions Net Weight	985x368x260 mm 14.1 Kgs
14	Outdoor unit Dimensions Net Weight Noise level Power source Rating MCB Power supply to Ref. max Piping Length	900x605x380 mm 31 Kgs 33 Dba 6A Indoor 15 Ft.

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INVERTER
BATTERY COMPATIBLE

SINFIN MAGIC-COOL series

TECHNICAL SHEET

S.No	Specification Model	SWAY 1.5	Model SWAY 2.0	Model Sway 2.5
01	Cooling Capacity BTU	13500 – 17000	17500 - 21500	19500 – 26500
02	Capacity(Ton)	1.5 Ton	2 Ton	2.5 Ton
03	Starting Current Amp.	0.5	0.7	0.7
04	Running Current Amp.	Min 0.8 Max 4.5	Min 2 Max 8	Min 2.5 Max 10
05	Air Flow	424/750	580/920	580/980
06	Refrigerant	R410/R32	R410/ R32	R410/ R32
07	Per Hour Unit Consumption	0.5 / 0.8	1.1 / 1.5	1.8 / 2.1
08	Compressor Magnetic/vibratic	Magnetic/vibratic	Magnetic/vibratic	Magnetic/vibratic
09	Electricity Saving Comparison to Other AC	Upto 80%	Upto 80%	Upto 80%
10	Power Input	190V-250V AC	190V-250V AC	190V-250V AC
11	Sound Level (H/M/L)	38/34/31	38/34/31	38/34/31
12	Indoor Unit Dimensions Net Weight	920x370x282 mm 13.1 Kgs	1016x381x305 mm 15 Kgs	1016x381x305 mm 15 Kgs
13	OutDoor unit Dimensions Net Weight	850x620x370 mm 28.6 Kgs	915x432x635 mm 38 Kgs	915x432x635 mm 38 Kgs
	Noise level	33 Dba	36 dBA	37 dBA
	Power source Rating MCB	6A	6A	6A
	Power supply to Ref. max Piping Length	Indoor 15 Ft.	Indoor 15 Ft.	Indoor 15 Ft.

BLDC
TECHNOLOGY

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COMPATIBLE

INVERTER
BATTERY COMPATIBLE



SINFIN READY GO series

TECHNICAL SHEET

S.No	Specification	Model SWAY 15
1	Cooling Capacity BTU	13500 – 17000
3	Capacity(Ton)	1.5 Ton
4	Starting Current Amp.	0.5
5	Running Current Amp.	Min 0.8 Max 4.5
6	Air Flow	424/519
7	Refrigerant	R410/R32
8	Per Hour Unit Consumption on Grid	0.5 to 0.8 unit
9	Compressor	Magnetic/vibratic
10	Electricity Saving Comparison to Other AC	Upto 80%
11	Power Input DC	180 Voc – 280 Voc
12	DC Current Rating	8-9AMP
12	Power Input AC	190V – 250V AC
12	Indoor Noise Level (L/M/HT) dB(A)	43/39/35/28
13	Indoor Unit Dimensions	918x278x364mm
	Net Weight	12.9 Kgs
14	OutDoor unit Dimensions	878x630x360 mm
	Gross Weight	32.9 Kgs
	Sound pressure level	30 Dba
	Power source Rating MCB	6A
	Power supply to	Indoor
	Ref. max Piping Length	15 Ft

BLDC
TECHNOLOGY

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COMPATIBLE

INVERTER
BATTERY COMPATIBLE



DC REFRIGERATOR 12V DC 25 WATT ONLY



S' Model, Ready Go

Capacity	200 Ltr	225 Ltr
Operating Voltage	12V DC	12V DC
Wattage	25 watt	25 watt
Solar PV Module	200 watt 12V	200 watt 12V
Battery	150AH	150AH
Work without stabilizer	Yes	Yes
Fastest Ice Making	Yes	Yes
Handle Type	Arina	Arina
Dimension	1247x591x638 mm	1172x534x633 mm



50% THICKER
INSULATION



DC COMPRESSOR
OPERATES ON
12V/24V DC



NO INVERTER/
STABILIZER
REQUIRED

Key Features:

Smart Inverter Compressor | Smart Connect
Stabilizer Free 90V ~ 310V | Toughened Glass Shelves
MOIST 'N' FRESH

E' Model

Capacity	200 Ltr	225 Ltr
Operating Voltage	90V - 310V	90V - 310V
Wattage	40watt	40watt
Power Consumption (Per Hr)	0.04Unit	0.04Unit
Work without stabilizer	Yes	Yes
Fastest Ice Making	Yes	Yes
Handle Type	Arina	Arina
Dimension	1247x591x638 mm	1172x534x633 mm



Solar Deep Freezer

Energy Efficient Refrigeration

Save on costs with SINFIN DC refrigerators and freezers. These high efficiency refrigerators and freezers have exceptionally low energy consumption requiring smaller, less expensive power systems and low operating expense. High quality construction provides excellent reliability and long life. Zero maintenance, brushless, thermostatically controlled DC compressor operates on 24 VDC.

SINFIN refrigerators and freezers provide outstanding economical and reliable operation. Low energy consumption is the key that allows SINFIN refrigerators and freezers to be cost effectively powered from solar & batteries. This technology allows refrigeration in remote locations where it was previously unavailable or prohibitively expensive.

Features:

- Very low energy requirement, desired temperature up to -15 to -20 degrees can be achieved.
- 12 or 24V DC operating voltage featuring shutoff at low voltage that consumes 150 watts per hour.
- Can be attached directly to battery of 12 volt 150AH x 2nos with back up time of nearly 18 to 20 hours
- This Product comes with ready to use & does not require Installation or Demo.
- Deep Freezers runs on a single 315W module in most climates!
- 12 or 24 VDC with low voltage disconnect for battery protection
- Environmentally friendly CFC free refrigerant (R-134)
- Automatic control with adjustable thermostat



Specification

'E' Model

Model	SWAY_DF200L	SWAY_DF350L	SWAY_DF500L
Capacity Liters	200Ltr	350Ltr	500Ltr
Power Supply	200V - 240V	200V - 240V	200V - 240V
Color	White	White	White
Rated Current	0.6A	0.78A	0.78
Power Consumption	140watt	180watt	180watt
Door	Single	Single	Single
Temperature	-15 to -20 degree	-15 to -20 degree	-15 to -20 degree
Body	M.S / non scratch	M.S / non scratch	M.S / non scratch
Dimension	952*520*825mm	1000*663*770 mm	1546*735*862mm
Weight	45Kgs	59Kgs	73Kgs

Specification

'S' Model (Ready Go)

Model	SWAY_DF200L	SWAY_DF350L	SWAY_DF500L
Capacity Liters	200Ltr	350Ltr	500Ltr
Color	White	White	White
Input Voltage	24V DC	24V DC	24V / 48V DC
Power Consumption	95watt	120watt	150watt
Door	Single	Single	Single
Compressor Type	DC	DC	DC
Temperature	-15 to -20 degree	-15 to -20 degree	-15 to -20 degree
Body	M.S / non scratch	M.S / non scratch	M.S / non scratch
Dimension	952*520*825mm	1000*663*770 mm	1546*735*862mm
Weight	45Kgs	59Kgs	73Kgs
Battery Input	24V -100Ah x2Pcs	24V -100Ah x 2Pcs	24V - 150Ah 2Pcs
Solar Input	300 watt	300watt	600watt





SEMI AUTOMATIC WASHING MACHINE



TECHNICAL SPECIFICATION	
WASH CAPACITY/ SPIN CAPACITY	7.0
POWER SUPPLY	220-240 V/50 Hz AC
WASH	WASH: 150W
RATED POWER CONSUMPTION	WASH: 360W
PRODUCT DIMENSIONS (W:D:H)	520*530*900

FEATURES

- FUZZY WASH PROGRAM • TRANSPARENT LID • DELAY WASH • QUICK WASH • CHILD LOCK
- HONEYCOMB CRYSTAL DRUM • MAGIC FILTER • ONE KEY HYDRATION • ELECTRIC WATER LEVEL SELECTION
- TUB SELF CLEAN • MEMORY BACKUP • OUTER BODY PCM

FULLY AUTOMATIC WASHING MACHINE

FULLY AUTOMATIC TOP LOADING WASHING MACHINE SPECIFICATION	
SPECIFICATION	CANVAS 6.5
WASH CAPACITY (KG)	6.5 Kg
UNIT SIZE (WDXH)MM	520*530*880
PACKAGING SIZE MM	580*605*950
NET WEIGHT IN KG	29
GROSS WEIGHT IN KG	33
SPIN RPM	730
COLOR	Grey
AUTO POWER OFF	Yes
CHILD LOCK	Yes
MEMORY BACKUP	Yes
ERROR ALARM	Yes
DIGITAL DISPLAY	Yes
TUB SELF-CLEAN	Yes
AUTO BALANCING DETECTION	Yes
POWER CONSUMPTION	350W
OUTER BODY MATERIAL	PCM
TUB MATERIAL	Stainless Steel (SS430)
WHEEL SUPPORT	No
WASHING PROGRAMS	10
FUZZY LOGIC	Yes
DETERGENT BOX	NO
IPX RATING	IPX 4
LOADING QUANTITY 1*40*HQ	198
SALES PACKAGE	WASHING MACHINE, RAT MESH, USER MANUAL, INLET PIPE



INVERTER WATER GEYSER

- India's first Inverter water Geyser
- Available in 15L and 25L
- Suitable for high-rise buildings
- Only 900watt heating element
- Fire retardant cable with 3 pin plug
- High efficient and long incolog
- 70% Electricity saving
- Rust proof ABS Body



EXPERIENCE INNOVATION AT IT'S BEST

SINFIN MOST ADVANCED WATER HEATER

TECHNICAL SPECIFICATIONS

CAPACITY	15L	25L
WATT	900WATT	900WATT
AUTO CUT	YES	YES
WEIGHT	7 kgs	10 kgs
AMP	4 AMP	4 AMP
CONSUMPTION	0.9 UNIT P/H	0.9 UNIT P/H



WALL MOUNT HEATER

Electrically Heated Panels heat everything and everybody within the range. The panels can either be installed so that can:

- 'Camouflage' with the grid ceiling or the ceiling patterns or
- Mounted on the walls as a n 'Art Work' or a 'Heated Wall Panel'.

The integrated suspension brackets make it possible to secure the panels directly onto all sorts of ceilings and provide heating in every type of residence, office, showroom or shop with the freedom of effecting the interior layout and design. The Wall Mounting brackets make it possible to secure the panels directly onto the walls to provide heating & enhance the décor of the room. The panels are in perfect synch with the interiors and can be used in every type of residential applications, offices, showrooms etc.

The warming up period is very short, making this product best suited for:

- Small Rooms that are not occupied continuously, but must be brought up to temperature in a short period when needed.
- Rooms / Spaces where Floor Heating cannot be provided
- Temporary structures / Cabins

SinFin provides comfortable, natural and healthy radiated heat!

Technical details:

Electrically Heated Panels are easy to install into every type of system ceiling or fitted directly onto the Ceiling or Walls using the integrated suspension system. Each panel has its own suspension system

Electrically Heated Panels only produce radiated heat. The high intensity of the infrared heat waves provides optimal comfort in a very short space of time

*Electrical heating cables embedded in power coated GI panel.

S.No.	SinFin Heaters	Size	Appx Wt.	Appx. Electric consumption/hr	Master Packing
1	250watt	2" x 1 ½"	4.5Kgs	0.25 Units (4hrs per Unit)	3Pcs
2	420watt	2" x 2"	5.5Kgs	0.4Units (2.3hrs per Unit)	3Pcs
3	600watt	2" x 3"	10Kgs	0.6Units (1.4hrs per Unit)	2Pcs
4	1000watt 3 in 1 (can work on 400watt, 600watt & 1000watt)	2" x 3"	10Kgs	0.4Unit to 1 Unit (1.00hrs per Unit)	2pcs





EXPERIENCE INNOVATION AT IT'S BEST

SINFIN MOST ADVANCED CEILING FAN



- Smart Remote with Sleep, Timer & Boost Mode • Brushless Technology
- Most Energy Efficient Fan • No humming noise
- 2 Years Warranty • Saving upto Rs. 1500 per year
- Long life motor • Comes with easy plug and play open wire

Benefits

- Three blades with wide span to cover maximum area
- Comes with seven speed modes
- Can run directly on electricity main grid
- Best for house, shops, small workshop, Study Room

SPEED	NORMAL FAN WATTAGE	SINFIN FAN WATTAGE
1	7	3
2	14	7
3	24	12
4	42	18
5	70	24
6	-	28
☼	-	30

VS

- Dualball bearing • Winding pure copper wire • Timer Mode • Reverse functioning • LED night lamp
- Smart mode : Auto decreasing speed • 3 Watt to 30 watt • Air delivery 230-250cm
- Operating voltage 90V-300V