

OUR PROJECTS



ABOUT US

Driven by a passion for customer satisfaction, Maruthi power has emerged as a leader in power backup solution, involved in manufacturing and exporting of UPS, Inverters and power conditioning products. Ever since its inception in 1996, with its consistent focus on technological innovation, Maruthi power is delivering the range of world class power conditioning products that are known for its high standard. You will find our product to be really a class apart because of our engineering and strict quality control in all stages of manufacturing.

Maruthi range of products complies with international standard and designed to suit Indian power condition. Our state-of-the-art manufacturing plants with ultra modern test facilities are systematically planned and built to deliver power electric products with high standard of manufacturing. The products manufactured in these plants undergo stringent quality test at every stage of manufacturing.

We have range of power conditioning products to suit Home, Office, Shops, Petrol Bunks, Hospitals, Hotels, Industries and even mission critical applications. Maruthi UPS, Inverters and Solar Inverters are extensive field proven. Our UPS supports even very critical equipments like Data Server, Life saving medical equipments, Railway signaling, Telecommunication appliances etc.



UPS | INVERTER | CCTV CAMERA | SOLAR PRODUCTS



15/21, 2nd Lane, Pasumarthi Street, Rangarajapuram, Kodambakkam, Chennai - 600 024
Phone: 044 - 2372 1918, 455 88 555. Mobile: 99410 15959 | email: solar@maruthipower.com | www.maruthipower.com

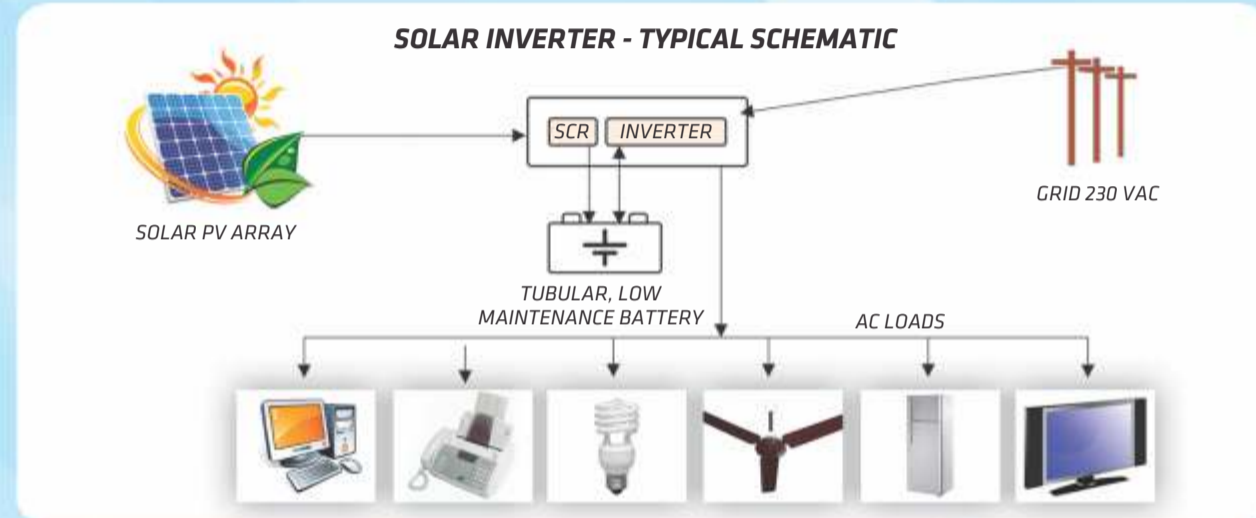


HARNESSING SOLAR POWER TO HOMES



MARUTHI Solar inverters convert DC Energy from solar modules into clean, stable AC power that is ideal for powering demanding appliances. MARUTHI solar inverters are designed for higher efficiency performance. Integrated advanced Digital Signal Processing (DSP) based technology combined with pure sine wave output makes them the perfect choice to use sophisticated electronics and electrical equipment. MARUTHI True Sine Wave solar Inverters offer a THD (Total Harmonic Distortion) of less than 3 percent, providing top performance and superior efficiency. Overload, short circuit, DC over / under voltage, and overheating protections are standard on all models.

MARUTHI SOLAR POWER PLUS



- **Maruthi Solar Power Plus** can operate on both Solar Power as well as Grid Power.
- It is integrated with in-built Solar Charge Controller which enables the conversion of solar power to electricity.
- This intelligent machine will always give first preference to solar power while charging the battery.
- It senses the availability of solar power, grid power and gives charging preference to the solar power charge and to the grid when the solar power is weak or not available.
- Frequent failure of grid will be taken care by solar charging which ensures maximum power availability.
- During the day time, in case of grid failure solar power & battery will be sharing the output load through inverter hence long backup is ensured.
- It is designed to give you maximum benefit from the sun and minimize your electricity bill.
- The battery charging from the sun is highly efficient - more than 98%. The result? You get non-stop power, while you save money, save electricity and protect the environment.

KEY FEATURES

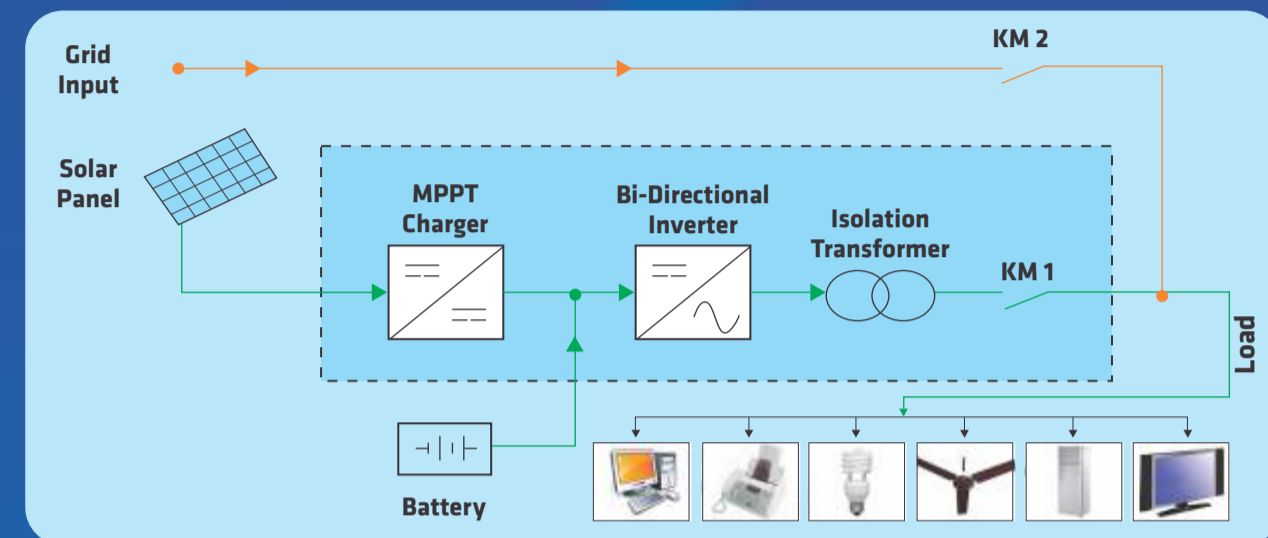
- DSP based Design
- Pure Sine Wave Output with low total harmonic Distortion (THD).
- Inbuilt Solar Charge Controller (Range from 15A to 40A).
- Supports even very Sensitive equipments.
- Battery reverse Polarity Protection.
- IBM Charger - increases battery life.
- Over load Auto Reset Function resets the inverter automatically.
- Protection against Overload, short Circuit, Low Battery and over Charging.



SPECIFICATION & MODELS

S.No	MODEL	CAPACITY	BATTERY (C10)	SOLAR PANEL
1	Solo	650VA	100AH	100 W / 200 W
2	Solo Plus	650VA	150AH	150W / 250 W
3	Classic	850VA	100AH	100 W / 200 W
4	Classic Plus	850VA	150AH	150 W / 200 W / 250 W
5	Magic	1450VA	100AH (2)	200 W / 300 W
6	Magic Plus	1450VA	150AH (2)	300 W / 400 W
7	iPower 2548	2500VA	100AH (4)	400 W / 800W
8	iPower 3548	3500VA	150AH (4)	800 W

MARUTHI SOLAR POWER GEN (OFF GRID POWER PACK)



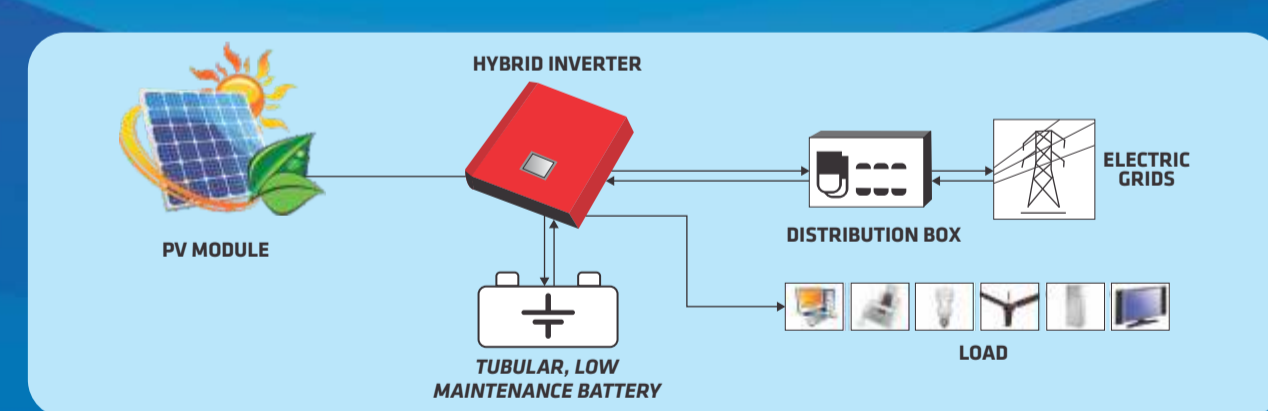
- **Maruthi solar power gen** operates the load through solar power and also simultaneously charging battery during the peak sun shine.
- If the solar power is weak or not available, battery will support the load.
- In case battery is discharged and the Solar power is not available, Grid power will support the load and simultaneously charge the battery

SPECIFICATION & MODELS

Sl.No	Model	Capacity	PV Panel	PCU	Battery (C10)	Backup (hrs)
1	Power Gen	1KW	1000w	1Kw/24v	150AH TT X 2	2
2	Power Gen - LB	1KW	1000w	1Kw/24v	150AH TT X 4	4-5
3	Power Gen	2KW	2000w	2Kw/48v	150AH TT X 4	2
4	Power Gen - LB	2KW	2000w	2Kw/48v	150AH TT X 8	4-5
5	Power Gen	3KW	3000w	3Kw/48v	150AH TT X 8	3
6	Power Gen - LB	3KW	3000w	3Kw/48v	150AH TT X 16	6

LB - LONG BACKUP

MARUTHI SOLAR PV HYBRID SYSTEM



Maruthi hybrid PV inverter can provide power to connected loads by utilizing PV power, utility power and battery power. When PV energy output is good, it will power the connected loads from solar photovoltaic power and also charge the battery in case excess of generation in PV excess power will be feed back to grid. When PV energy output is not sufficient for connected loads, this inverter will convert the Battery power or utility power to the loads.

Depending on different power situations, this hybrid inverter is designed to generate continuous power from PV solar modules (solar panels), battery, and the utility. When MPP input voltage of PV modules is within 150 VDC to 500 VDC, this inverter is able to generate power. This inverter is only compatible with PV module types of single crystalline and poly crystalline. Do not connect any PV array types other than these two types of PV modules to the inverter

Note: When PV input voltage is lower than 250V, the power of inverter will de-rate.