



FLYLINE SOLAR BATTERYLESS OFF-GRID INVERTER

Murickens Group An ISO 9001:2015 certified (Ministry of new and renewable energy channel partner) Kerala based company which has been active in Electronics field since 1990, Flyline Solar off Grid Power Plant Installation has been active since 2000 and has been active in the field of Solar on Grid or Grid Tie Solar Power Plant Installation since 2010. Murickens group market these products under the registered brand names MG and FLYLINE.

In the case of conventional Grid Tied Inverters which are working without batteries, we can't use even the available solar power during power failure and its installation requires prior permission and approval from KSEB. Flyline solar grid sharing system (battery less inverter) is an ideal for a category of power consumers like educational institutions, offices, shops etc. use a major percent of their total power consumption during day time. Our newly introduced Flyline battery less solar/mains compensation system is ideally suited for such consumers. This system has the advantages of 'no battery' over the conventional solar inverter system and 'available solar power can be used' over the grid tied inverter system. Moreover, as this system will not inject power to the grid, it can be installed without any permission from the authorities. This system is available with different power capacities starting from 3 KVA onwards and can be supplied as per customer's power requirements.

FLYLINE GRID SHARING BATTERYLESS POWER CONDITIONER FEATURES :

- * No need of approval or permission from authorities.* No need of battery.* When solar energy is sufficient then total output load will operate on Solar through Flyline inverter.* When solar energy is weak then Flyline inverter is taking balance power from grid .*
- * When solar energy is absent then the entire load is working on grid.* It will work on Solar as well as grid.*

Compensating Type – First preference solar and second preference grid.* Eg.: If we install 5 KVA power conditioner unit (PCV) on-grid model with 3 KW solar panel for generating power, we

draw 5 KVA load with a discharging difference of 2 KVA which will be taken from the grid.* We get full utilization of solar power.* Pure sine wave out put.* ISO: 9001 -2015 Certified solar power conditioner.* IGBT or MPPT with German PWM intelligent charging technology.* It will not support the backup power.* Work with solar power, the best way to save money using natural resource.* Pollution free type.* Protection from lightening,* Over Load Protection.* Independent Digital display inverter input and out put voltage, load, etc.* Audio and Visual Indicators.* Can connect to the existing wiring.* No husking sound.* It is a fully automatic built-in charging control.

TECHNICAL FEATURES

Rating	3 -6 KVA	8 -10 KVA	10-15 KVA
DC Voltage	72 v	192 v	240 v
Solar input Volt	96 -160 v	192-320 v	240-400 v
Grid Input	Single or 3 phase		
Solar Charger	PWM based MPPT OR IGBT		
Inverter type	IGBT based		
Waveform	Pure Signwave		
Output Voltage	230 v (single phase) & 415 volt (3 phase)		
Frequency	50 Hz		
Efficiency	90%		
Operating Mode	Solar /Grid		
Changeovertime	0 Seconds		
Operating temp	0-50 deg.celsius		
Humidity	95% non conditioning		
Cooling	Air cooling / Oil cooling		
LCD Display	Total output load,solar voltage, ac output voltage & solar utilisation %		
Fault display	Fault display for DC low, and Checking status		
Protections	Electronic protection & MCB		
Alarm	Overload and DC low		



We have thousands of satisfied customers in India and different parts of the world. Our valued and reputed clients list includes, The Agricultural University Malapuram, International Airport Karipoor, Marine Fisheries Dept of India, Vallarpadam Container Terminal (IGTPL), TCS Info Park Cochin, The CISF 7th Battalion Military Cam Chennai, Command hospital Chandimandir, St. Ursula hospital Pune, Dept. of Space Sreeharikotta, Birla research institute, etc which are only a handful among our highly reputed clients in addition to a lot of other private organizations..

MURICKENS GROUP

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Our YouTube channels: - <https://www.youtube.com/c/solarpowermurickensgroup>
<https://www.youtube.com/user/murickens>

Under the name **MG** and **FLYLINE**, MURICKENS GROUP is a company with experience and credibility in the manufacture and marketing of electronic and electrical products.



MG Servo Voltage Stabilizer, Solar Water Heater, Deep Freezer, Mobile Mortuary, Mortuary Chamber etc.



Solar On Grid , Off Grid & Battery Less Grid Compensating Inverter, Solar Street Light Garden Light, Online & Off line UPS, Solar Panel, Solar Charging Controller, 110V Step Down Stabilizer, Solar Battery, Modular Voltage Protector .