

DB GRID CHARGED INVERTER PR301

Renewable energy series - Light and power from the sun

By Microsolve C.C.



- IP54 Wall mount DB Box
- Auto change over relay
- 1 or 2 circuit breaker models
- Circuit breaker to disconnect circuit
- Inverter uses grid to charge battery
- Modified sine or pure Sine wave inverter
- 500W or 1000W models
- Modified Sine & Pure Sine wave
- Low Battery disconnect
- Switch enables Inverter

This DB Grid charged inverter uses the latest microprocessor controller to charge and monitor the battery and load.

A grid supply circuit monitors the mains, and while the grid is supplying power, the grid power is passed onto the load. As soon as the grid supply falls away due to load shedding or whatever reason, the inverter is switched on, and the load is connected to the inverter. As soon as the mains returns, the load is immediately switched over to the mains, and the battery starts charging to replenish the used energy.

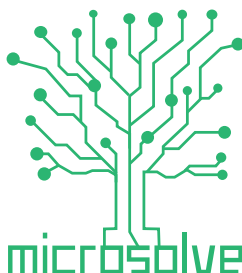
The amount of time that the inverter runs will be directly linked to battery size and load consumption. The higher the load consumption, the less time the battery will be able to maintain power to the load via the inverter.

The system has a user controlled switch to control when the inverter supplies power to the load. This is a great feature for when the DB Grid Charged inverter is used on a load which is only required when the user wishes to use it. This prevents the unit from running the inverter in the case that there is no power, and the battery is then discharged when there is no one to benefit from the back up. When the switch is in the off position, the inverter does not run, placing the unit in a low power drain mode maintaining maximum amount of energy for when the user does need the inverter.

SPECIFICATIONS:

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|---------------------------|---|
| • Inverter power | 500Watt or 1000Watt - model dependant |
| • Inverter output voltage | 200V to 250V dependant on battery voltage |
| • Inverter wave output | Modified sine or Pure sine wave - model dependant |
| • Inverter load | 100% overload for 1 second |
| • Unit physical size | W = 223mm, D = 286mm, H = 124mm |
| • Weight | 500W model - 4Kg, 1000W model 5Kg |
| • Packed size | 235mm X 300mm X 130mm |
| • Packed weight | 500W model - 4.5Kg, 1000W model - 5.5Kg |

Battery sold separately. When ordering, battery size must be advised so that the unit is set up at the factory for your requirements.



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