

# Hybrid Bidirectional Inverters

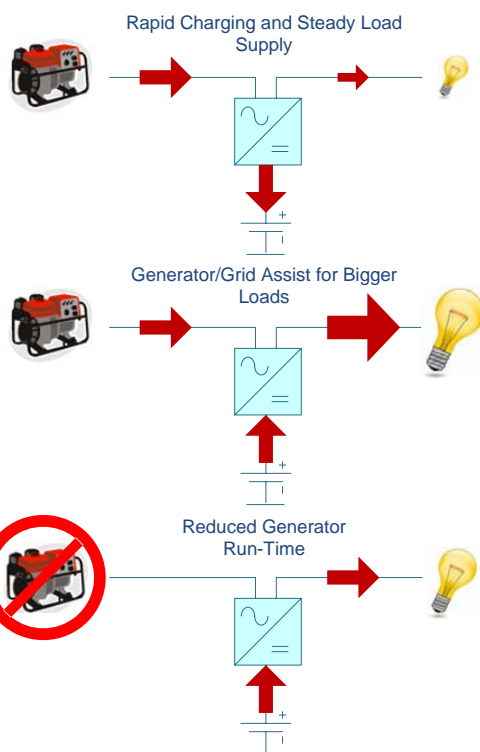
*MLT PowerStar Range*



Do you have a generator powered enterprise or home? Would you like to reduce your generator fuel and maintenance costs? Do you want to reduce your carbon footprint? Our PowerStar Hybrid Bidirectional Inverters offer you the perfect integration of battery storage for backup or off-grid purposes and are proven to reduce both cost and hassle.

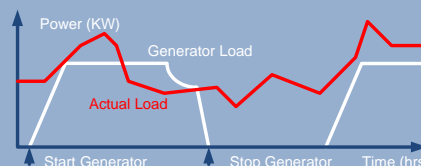
The PowerStar Inverter range has two 230V AC input supply sources which can be configured for generator and/or grid supply. Included is an interface for an optional renewable solar energy source that can be connected directly into the PowerStar Inverter. So any solar panels you connect will automatically reduce your carbon footprint by constantly pumping energy into your batteries. This will limit the need to run the generator.

- ✓ **Overcome Power Failures**
- ✓ **Generator Optimization (Use at Best Load Level)**
- ✓ **Reduce Fuel Cost (Reduced Run-Time)**
- ✓ **Power Conditioning for Sensitive Equipment**
- ✓ **Reduced Generator Size Requirement**
- ✓ **Connect to Solar Panels**
- ✓ **Connect Two AC Sources (i.e. Grid & Generator)**
- ✓ **Three Phase Generator Load Balancing**
- ✓ **Power Factor Correction**
- ✓ **Trending, Analysis and Remote Control**



When connected to the PowerStar Hybrid Bidirectional Inverter, your generator will automatically start and stop depending on the load requirement. This means your enterprise or home is powered with optimal energy efficiency. When the load drops below a certain point the generator stops and the load is then automatically powered from your batteries. When the load increases above the capacity of the inverter the generator automatically starts and connects to the inverter to support the current load demand optimally.

The PowerStar Bidirectional Inverter is available in 6, 12 and 18 KVA single phase as well as 18 KVA three phase configuration.



[www.mltdrives.com](http://www.mltdrives.com)



South African Product

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