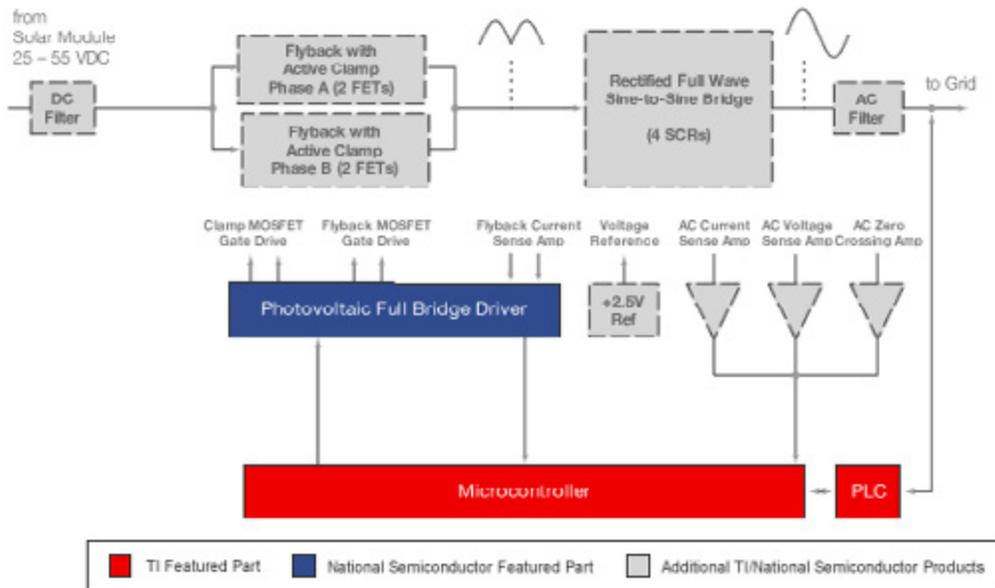


# Texas Instruments and National Semiconductor TOGETHER, An Intelligent Solar Micro-Inverter Solution

Check out a solar micro-inverter solution that maximizes power output, provides real time control and performance data and delivers a safer, more reliable next generation system.



## Key Solution Features:

- Highly efficient, highly integrated full bridge driver for photovoltaics
  - Integrated MOSFET drivers and current sense amplifiers
- 32-bit controller plus dedicated power line communication AFE
  - Supports multiple communication protocols such as PRIME and G3



**TEXAS INSTRUMENTS**  
TMS320F2808 32-Bit  
Digital Signal Controller  
with Flash



**NATIONAL SEMICONDUCTOR**  
SM72295 Photovoltaic Full  
Bridge Driver



**TEXAS INSTRUMENTS**  
AFE031 Powerline  
Communications  
Analog Front-End

