Cascaded Micro Inverter PV System for Reduced Costs

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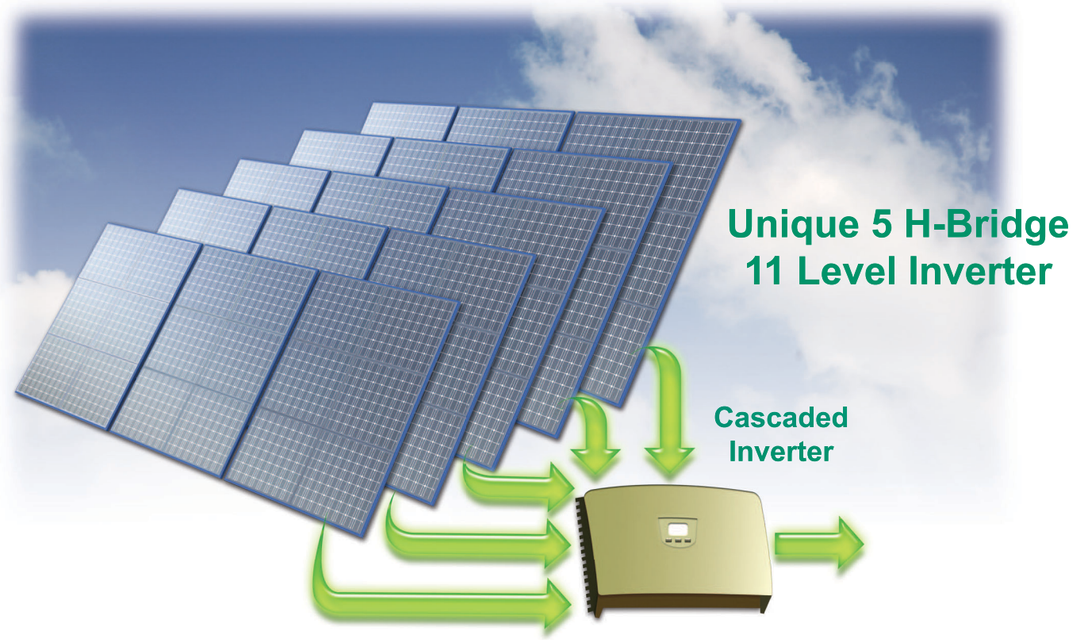
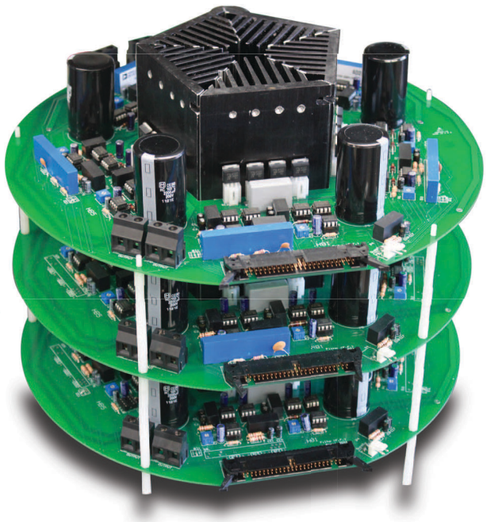
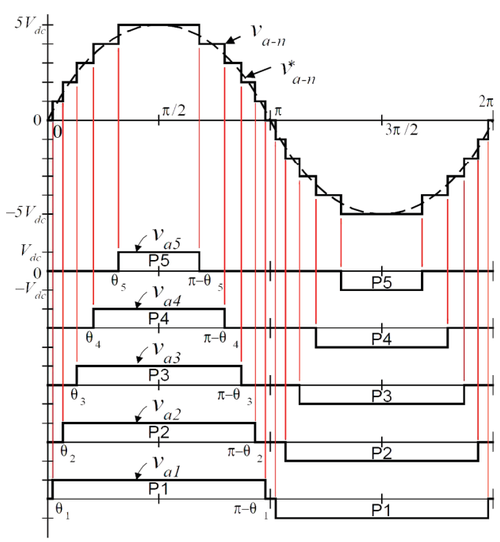
SYSTEMS INTEGRATION



10kW 3-Phase
Development Inverter





Multilevel Inverter Waveforms
(Single Phase)

Goal:
- Develop a PV inverter costing $0.10/W

Advantage:
- Low cost/low voltage silicon and simple thermal management

Status:
- Testing 3-phase development inverter at 3.3kW
- Designing 3-phase 18kW inverter
- Cost goal of $0.10/W or less is achievable

Deliverables:
- Oct 2012: Phase 1 demo
- Nov 2012: Preliminary design and cost of prototype 25kW inverter