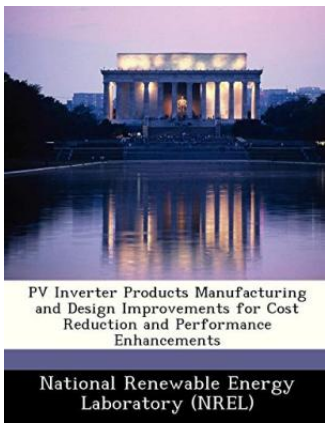

Pv Inverter Products Manufacturing and Design Improvements for Cost Reduction and Performance Enhancements (Paperback)

By -

Bibliogov, United States, 2012. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The specific objectives of this subcontracted development work by Xantrex Technology Inc. were to: 1) Capture the newest digital signal processor (DSP) technology to create high-impact, next generation power conversion equipment for the PV industry; 2) Create a common resource base for three PV product lines. This standardized approach to both hardware and software control platforms will provide significant market advantage over foreign competition; 3) Achieve cost reductions through increased volume of common components, reduced assembly labor, and the higher efficiency of producing more products with fewer design, manufacturing, and production test variations; 4) Increase PV inverter product reliability. Reduce inverter size, weight and conversion losses. The contract goals were to achieve an overall cost reduction of 10 to 20 for the three inverters and with no compromise in performance. The cost of the 10-kW inverter was reduced by 56 , and the cost of the 25-kW inverter was reduced by 53 . The 2.5-kW inverter has no basis for comparison, but should benefit equally from this design approach. Not only were the contract cost reduction goals exceeded by a wide margin, but...

Reviews

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