



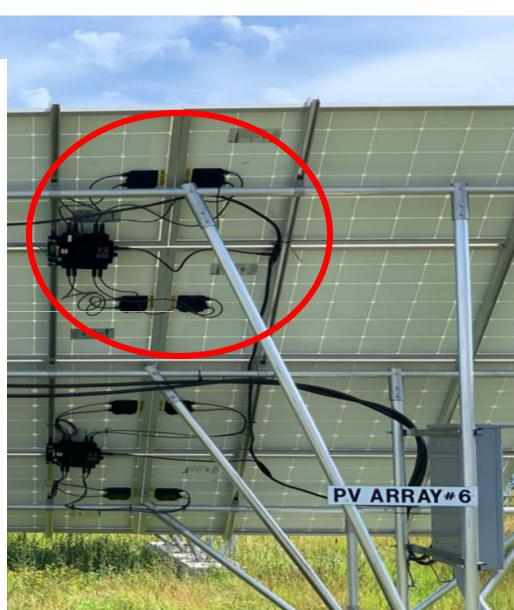


SPARQ QUAD ARCHITECTURE ADVANTAGE!

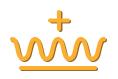




- √ 1 Microinverter per 4 Panels
- ✓ Safe. Reliable. Long lasting
- ✓ All AC Cabling. Inherent RSD
- ✓ Lowest weight, volume &cost
- ✓ Less Parts to Carry & Install.
- ✓ Less Time on the Roof.
- ✓ Easy to Install
- ✓ Maintenance-free
- ✓ No More Truck Rolls!
- ✓ Higher Profit Margin
- ✓ User-Friendly App
- ✓ Expert 24/7 Support



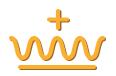
TOP REASONS TO INVEST IN SPARQ SYSTEMS



Unique and Compelling Investment Opportunity.

- 1. Passion
- 2. Purpose
- 3. Potential
- 4. Products
- 5. People
- 6. Patents
- 7. Partnerships
- 8. Proposition

1. PASSION



Born to Revolutionize the PV Industry.

- 1. Photovoltaic energy revolution
- 2. Accessible, affordable and sustainable energy for all
- 3. Clean energy, clean air, clean water and clean jobs
- 4. Grid-independence and energy self-sufficiency
- 5. Environment stewardship
- 6. Prevent global warming
- 7. Improve standard of living through grid-resilient, distributed energy.
- 8. Improve energy efficiency and reduce cost of electricity

Invest in the Future Leader of PV Systems!

2. PURPOSE



Serve PV Industry Customers globally with Best-in-Class Products.

Our Mission:

Accelerate transition to affordable, self-sufficient PV Energy

Our Vision:

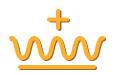
Become #1 leader for Microinverters, battery storage and energy management in PV industry.

Our Value:

Deliver safe, reliable, and cost-effective solutions that are best-in-class, easy to install, and maintenance-free.

Lead In Innovation, Quality and Customer Satisfaction.

3. POTENTIAL



Photovoltaic Energy Is The Fastest Growing Clean Energy!

- 1. PV energy has the potential to meet all the world's energy needs.
- 2. PV energy in 2024, accounts for 5% of world's electricity production.
- 3. PV energy will be the largest renewable energy source by 2030.
- 4. PV energy expected to grow to 20% of global electricity needs by 2030.
- 5. About 9% of world population (745M), lack access to electricity.
- 6. 53% of Sub-Saharan Africa population (600M) lack access to electricity.
- 7. In Sub-Saharan Africa the sun shines daily more than 97% of the time!
- 8. Over 77% of India's electricity is generated from coal.
- 9. For each 1kWh by coal in India 900 grams of CO2 is released into air.
- 10. 100 GW of Sparq PV electricity reduces CO2 by 78.84 million tons.

High Growth Investment Opportunity

4. PRODUCTS

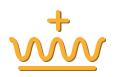


Best-in-class Products Disrupting The PV Industry.

- 1. Safe, Highly Reliable, No PV System Single Point Failure
- 2. No Electrolytic Capacitor
- 3. Best in class Longevity
- 4. Highest specific power and power density
- 5. Maximum Energy Harvesting
- 6. Dual Mode Operation, Grid Resilient
- 7. Remote Monitoring and S/W Update
- 8. Reduced manufacturing BOM and lowest life-cycle cost
- 9. Easy to Install and Maintenance-Free

Sparq Was the First to Introduce Quad Microinverters.

5. PEOPLE



Leading Experts and PV Industry Recognitions

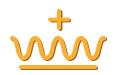
- **➤ World-renowned Power electronics Experts**
 - Multiple technology firsts commercialized for various industries.
 - Advanced science and technology for the benefit of society.
 - Trained and educated thousands of engineers and graduate students.
 - Check "Meet the Team" for bio summaries and details.

►Industry Recognitions

- Received Frost & Sullivan's 2017 'New Product Innovation Award'.
- Included in TSX Venture 50 list in Clean Technology and Renewable Energy, underscoring strength of strategy and excellence in execution.

Invest With Confidence With Leading Experts.

6. PATENTS

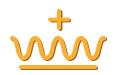


IP fortress: 87 Patents and innovation continues...

- > Patents
 - 65 Granted, 10 Pending and 12 in-preparation
- > Unique Innovations reducing overall weight, volume and cost
 - Eliminated low reliability electrolytic capacitors
 - Eliminated three DC-AC inverters
 - Reduced H/W, shared FPGA for four DC-DC and one DC-AC converter
 - Reduced BOM cost by >25% and installation cost by ~70%.
 - Introduced unique energy storage and solar pump controllers for farms

Invest In The Most Innovative Company.

7. PARTNERSHIPS

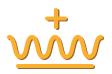


Strategic Partnerships for R&D, Manufacturing and Distribution.

- Centre for Energy and Power Electronics Research (ePOWER)
 - Academic and industrial collaborate at Queen's University
 - Develop innovative, efficient, cost effective and environmentally friendly power electronic solutions for renewable energy.
 - Jio Things and Reliance
 - Long-term partnership to enable large-scale manufacturing of microinverters
 - Partnership to leverage scale, technology-leadership and softwarecentric design of partners to create cutting-edge use cases

Partnerships for Successful for Market Penetration.

8. PROPOSITION



Best-in-Class Microinverters Disrupting the PV Industry!

Performance

- ✓ Software centric flexible Power Electronics with accurate real-time nonlinear control
- ✓ Ultra high frequency, soft switching topology
- ✓ Individual MPPT for each panel
- ✓ No risk of HV DC arcing or personnel electric shock
- ✓ Lowest weight, highest weight density (W/kg)
- √ Lowest volume, highest power density (W/ in³)
- √ Maximum Energy Harvesting
- ✓ Dual Mode Operation (On-grid & Off-grid)
- ✓ Grid-Resilience without energy storage
- ✓ Grid independence and energy self-sufficiency
- ✓ Future ready for being flexible and scalable
- ✓ SparqLing: advanced gateway to rule them all
- ✓ SparqVu: Web monitoring with Intuitive displays
- √ SparqSync: user-Friendly mobile app

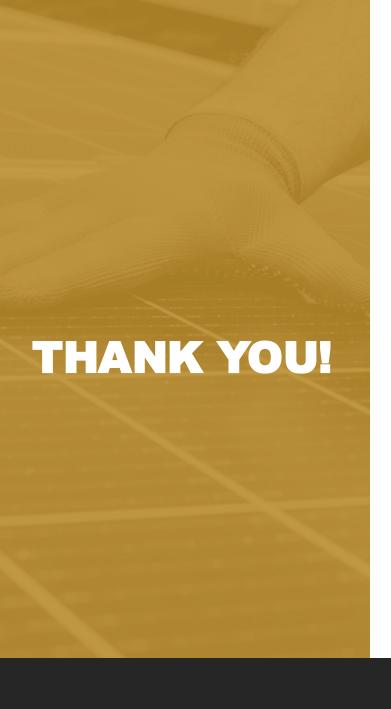
Safety & Reliability

- √ No Electrolytic Capacitor
- ✓ Other low-life components eliminated
- ✓ Safe, all-AC cabling with inherent
 Rapid-Shut-Down (RSD) compliance
- √ No risk of HV DC arcing
- ✓ No Risk of HV electric shock hazard for 1st responders
- √ High reliability
- √ High system availability
- √ No PV system single point failure
- ✓ Fewer system components to install and maintain results in high MTBF
- ✓ Best-in-class Longevity

Cost-Effectiveness

- ✓ Quad Architecture
- √ Reduced manufacturing BOM
- Reduced Balance of System (cabling, grounding, junction boxes etc)
- √ Reduced manufacturing cost
- √ Reduced installation cost
- √ Maintenance-free
- ✓ Lowest cycle-life-cost
- ✓ Outlier on Performance-Cost Curve

Highest Performance, Safe and Most Reliable, Lowest weight, Volume and Cost.





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