

10 REASONS WHY NEW GENERATION AI POWERED HYBRID INVERTER WILL RESHAPE THE SOLAR C&I INDUSTRY IN SOUTH AFRICA

1. Sigenergy will reduce your CAPEX

- a. Easy and quick installation process minimises installation cost.
- b. Plug and Play design reduces balance of systems costs.
- c. No need for expansive civil work.
- d. Simplified logistic onsite due to system modularity.

2. Trouble-free warranty

- a. 10-year warranty as a standard without any hidden clause
- b. Batteries capacity is 100% usable under warranty.
- c. 280Ah battery design improve cells lifetime.
- d. Swap policy with local stock available
- e. No need to send components to repair - will minimize downtime
- f. Transport and labor costs covered in case by warranty.

3. Maintenance free design will minimize downtime and OPEX costs

- a. Minimize downtime
- b. Minimize labor costs
- c. Modular bypass mode in case of failure to maximize production
- d. Minimize investors risk

4. Maximum Safety

- a. 5 layer protection (battery and system)
- b. One battery optimizer per battery
- c. Integrated preventive and corrective maintenance management

5. IP66 for flexible applications

- a. Can be installed indoor / outdoor
- b. No need for expansive containerized solution
- c. Minimize system footprint
- d. Easy integration in any specific customer layout.

6. One single manufacturer for inverter and batteries

- a. Fast commissioning with one single interface
- b. Auto check diagnosis before commissioning to minimize potential issues
- c. Minimize communication and interface risks

7. Local support available

- a. Training available in South Africa
- b. Support for commissioning
- c. Stock available locally

8. Maximum modularity

- a. Very quick to deploy – will shorten project planning
- b. Easy to upgrade (no need to add full batteries rack)
- c. Can mix old and new batteries in the same pack at later stage

9. Monitoring

- a. Intelligent data and Comprehensive monitoring
- b. Very pleasant interface for customer
- c. First GPT-4 integrated app to improve customer experience

10. AI powered to maximize efficiency and performance

- a. Weather analysis to forecast PV production
- b. Load learning to get comprehensive analysis of consumption pattern
- c. Integration of load shedding schedule to optimize batteries usage
- d. Real time electricity tariff to maximize savings
- e. More MPPTs to improve system yield (4 MPPTs per 25kW)
- f. Unrivalled performance thanks to dynamic system management