

**PIENAAR ENERGY (PTY) LTD**

# **St Johns High Voltage Three Phase Inverter**



## Overview

---

Also referred to by the order code STEVAL-IHM035V2, this 3-phase inverter is designed to perform both the FOC of sinusoidal-shaped back-EMF PMSMs and trapezoidal control of BLDC motors with or without sensors, with nominal power up to 100 W. Why Choose Three Phase High Voltage Hybrid Power Inverter?

Three Phase High Voltage hybrid inverter solar enables direct MV grid connection, simplifies system design, and stabilizes large-scale renewable integration. Connects directly to 10kV+ grids, removing step-up transformers to cut losses and. is the new generation of intelligent PV system monitoring. This new monitoring platform will empower you like never before. Power Line Communication is transmission of data over the AC Wires of the system. All other product or service.

## St Johns High Voltage Three Phase Inverter



### Three Phase High Voltage Hybrid Solar Inverter

A three-phase high-voltage hybrid power inverter delivers multi-MW per unit, reducing BOS hardware and cabling for faster centralized deployment. Direct 10kV+ grid connection boosts efficiency and ...

[Get Price](#)

### STEVAL-ISV002V1, STEVAL-ISV002V2 3 kW grid-connected PV ...

While in three-phase inverters the use of DQ based PLL is quite common, for single-phase inverters, the necessity of a virtual bi-phase system arises. In fact, to create a rotating DQ reference, starting from ...



[Get Price](#)

Support Customized Product



### STPOWER SLLIMM intelligent modules

These features make the SLLIMM family ideal for enhancing the efficiency of 3-phase inverters for any motor drive operating up to 20 kHz in hard-switching circuitries and for an application power range ...

[Get Price](#)

## STEVAL-IHM023V3

The evaluation board is an AC-DC inverter that generates a three-phase waveform for driving two- or three-phase motors such as induction motors or PMSM motors up to 1000 W, with or without sensors.

[Get Price](#)



## Three Phase Inverter

Three phase high voltage energy storage inverter / Generator-compatible to extend backup duration during grid power outage / Supports a maximum input current of 20A, making it ideal for all high ...

[Get Price](#)

## 3-phase high voltage inverter power board for FOC and scalar ...

The 3-phase high voltage inverter power board features the STGIPN3H60 (SLLIMTM-nano) for both field-oriented control (FOC) of permanent magnet synchronous motors (PMSM) and trapezoidal ...

[Get Price](#)



## 3-phase high voltage inverter power board for FOC based on the



This flexible, high-performance design consists of a 3-phase inverter bridge based on the STGIPN3H60A SLLIMMTM-nano (small low-loss intelligent molded module) IPM, 3-phase inverter, 3 ...

[Get Price](#)

## ST Electronica 40W Wireless Charging with

The best high voltage and high frequency switch for high density applications SiC Gen1 1200V-1700V The best option for Ron vs. Tj behavior: highly suitable for motor driver, industrial, PV applications



IP65/IP55 OUTDOOR CABINET

WATERPROOF OUTDOOR CABINET

42U/27U

OUTDOOR BATTERY CABINET

[Get Price](#)

## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://www.pienaarshof.co.za>

