

PK5500H

TOPAK Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps and other pumps using three-phase/ single-phase asynchronous motors.
- Leading MPPT algorithm, fast response, good stability and maximum 99% MPPT efficiency.
- Faster speed of response and good stability.
- Fully automatic operation. Pump operation frequency range can be set based on project requirement.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Optional power supply automatic switching function to support grid/diesel back-up, meeting running requirement for day and night.
- Optional control box for hybrid power input.

Technical Data

Rated Power	5.5 kW
AC Input Voltage	3PH 380 - 440 V
Max. AC Input Current	18.5 A
Input String	1
Max. DC Input Current	25 A
Max. DC Input Voltage	780 V
Recommended MPP Voltage*	500 - 600 V
Adapting Motor Power	5.5 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	14 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	>97%
Ambient Temperature*	-10 ~ 50 °C
Cooling Method	forced air cooling
Display	LED
Protection Grade	IP20

Dimension and Weight

Product Dimension	126 × 186 × 155 mm
Packing Size	238 × 180 × 216 mm
Net Weight	1.8 kg
Gross Weight	2.0 kg



Relevant Information

Optional Accessory	Water level switch (for well or tank)
	DM-BR data monitor (for Remote Control)
Warranty	18 months

Standards



EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61800-5-1:2007
EN 61800-3:2004+A1:2012

Recommended MPP Voltage*: Under standard test conditions, 1000W/m² solar irradiance, 25°C cell temperature.

Ambient Temperature*: The rated output current should be derated by 2% for every 1 °C increase when temperature is over 40 °C.