

PK90KH 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	90 kW
AC Input Voltage	3PH 380 - 440 V
Max. AC Input Current	188 A
Input String	1
Max. DC Input Current	250 A
Max. DC Input Voltage	780 V
Recommended MPP Voltage*	500 - 600 V
Adapting Motor Power	90 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	180 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	330 × 660 × 332 mm
Packing Size	760 × 423 × 527 mm
Net Weight	41 kg
Gross Weight	53 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.