



# PK Series Solar Pumping Inverter Economic



## Product Features

### Excellent Performance

- ✔ Compatible with submersible pumps, surface pumps, swimming pool pumps and other pumps using three-phase/single-phase asynchronous motors.
- ✔ Advanced MPPT algorithm, fast response, good stability and maximum 99% MPPT efficiency.
- ✔ Maximum 97% conversion efficiency.
- ✔ Power levels range from 0.75kW to 110kW and customized services for higher power levels.

### Stable and Reliable

- ✔ Fully automatic operation, the inverter drives the pump to work from sunrise to sunset, without manual operation after installation.
- ✔ Full protections including overvoltage protection, overcurrent protection and overheat automatic frequency reduction protection to extend product life effectively.
- ✔ Full motor protections, optional water level switch to prevent overflow and dry running.
- ✔ Optional high protection grade control box for 37kW and below models to satisfy the requirement of outdoor installation.

# Product Specifications

| Model   | Adaptable Pump Motor |                  | Recommended MPP Voltage (V) | Max. DC Input Voltage (V) | Rated AC Input Current (A) | Rated AC Output Current (A) | Rated Output Frequency (Hz) | Net Weight (kg) | Gross Weight (kg) | Packing Size(mm) |       |        |
|---------|----------------------|------------------|-----------------------------|---------------------------|----------------------------|-----------------------------|-----------------------------|-----------------|-------------------|------------------|-------|--------|
|         | Rated Voltage (V)    | Rated Power (kW) |                             |                           |                            |                             |                             |                 |                   | Length           | Width | Height |
| PK750S  | 1PH 220~240V         | 0.75             | 310-360                     | 440                       | 7.2                        | 5.5                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK1500S | 1PH 220~240V         | 1.5              | 310-360                     | 440                       | 14                         | 10                          | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK2200S | 1PH 220~240V         | 2.2              | 310-360                     | 440                       | 23                         | 13.8                        | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK4000S | 1PH 220~240V         | 4                | 310-360                     | 440                       | 20                         | 20                          | 0-50/60                     | 3.1             | 3.5               | 310              | 220   | 260    |
| PK750L  | 3PH 220~240V         | 0.75             | 310-360                     | 440                       | 7.2                        | 4.5                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK1500L | 3PH 220~240V         | 1.5              | 310-360                     | 440                       | 14                         | 7                           | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK2200L | 3PH 220~240V         | 2.2              | 310-360                     | 440                       | 23                         | 10                          | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK4000L | 3PH 220~240V         | 4                | 310-360                     | 440                       | 20                         | 16                          | 0-50/60                     | 3.1             | 3.5               | 310              | 220   | 260    |
| PK5500L | 3PH 220~240V         | 5.5              | 310-360                     | 440                       | 30                         | 20                          | 0-50/60                     | 4.8             | 5.4               | 365              | 245   | 290    |
| PK750H  | 3PH 380~440V         | 0.75             | 500-600                     | 780                       | 3.4                        | 2.5                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK1500H | 3PH 380~440V         | 1.5              | 500-600                     | 780                       | 5                          | 3.7                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK2200H | 3PH 380~440V         | 2.2              | 500-600                     | 780                       | 5.8                        | 5.3                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK4000H | 3PH 380~440V         | 4                | 500-600                     | 780                       | 12                         | 9.5                         | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK5500H | 3PH 380~440V         | 5.5              | 500-600                     | 780                       | 17.5                       | 14                          | 0-50/60                     | 1.7             | 2                 | 238              | 180   | 216    |
| PK7500H | 3PH 380~440V         | 7.5              | 500-600                     | 780                       | 22.5                       | 17.5                        | 0-50/60                     | 3.1             | 3.5               | 310              | 220   | 260    |
| PK11KH  | 3PH 380~440V         | 11               | 500-600                     | 780                       | 30                         | 25                          | 0-50/60                     | 4.8             | 5.4               | 365              | 245   | 290    |
| PK15KH  | 3PH 380~440V         | 15               | 500-600                     | 780                       | 39                         | 32                          | 0-50/60                     | 4.8             | 5.4               | 365              | 245   | 290    |
| PK18KH  | 3PH 380~440V         | 18.5             | 500-600                     | 780                       | 45                         | 37                          | 0-50/60                     | 9               | 10                | 485              | 300   | 295    |
| PK22KH  | 3PH 380~440V         | 22               | 500-600                     | 780                       | 54                         | 45                          | 0-50/60                     | 9               | 10                | 485              | 300   | 295    |
| PK30KH  | 3PH 380~440V         | 30               | 500-600                     | 780                       | 68                         | 60                          | 0-50/60                     | 9               | 10                | 485              | 300   | 295    |
| PK37KH  | 3PH 380~440V         | 37               | 500-600                     | 780                       | 84                         | 75                          | 0-50/60                     | 13.7            | 15                | 545              | 328   | 338    |
| PK45KH  | 3PH 380~440V         | 45               | 500-600                     | 780                       | 98                         | 92                          | 0-50/60                     | 13.7            | 15                | 545              | 328   | 338    |
| PK55KH  | 3PH 380~440V         | 55               | 500-600                     | 780                       | 123                        | 115                         | 0-50/60                     | 27              | 37                | 695              | 393   | 462    |
| PK75KH  | 3PH 380~440V         | 75               | 500-600                     | 780                       | 157                        | 150                         | 0-50/60                     | 27              | 37                | 695              | 393   | 462    |
| PK90KH  | 3PH 380~440V         | 90               | 500-600                     | 780                       | 188                        | 180                         | 0-50/60                     | 27              | 37                | 695              | 393   | 462    |
| PK110KH | 3PH 380~440V         | 110              | 500-600                     | 780                       | 221                        | 215                         | 0-50/60                     | 27              | 37                | 695              | 393   | 462    |

