# Solar Pump Inverter

HSPH3700L/5500L/7500L/11KL Parameters





| Technical Specifications | | | | |
|---|---|---|---|---|
| **Model** | **HSPH3700L** | **HSPH5500L** | **HSPH7500L** | **HSPH11KL** |
| **Solar Input** | | | | |
| Max Voc Voltage | 450V | | 650V | |
| Min Vmp Voltage | 200V | | | |
| Recommend Vmp Voltage | 300Vmp<DC Input<430Voc (Only Solar Input)<br>340Vmp<DC Input<400Voc (Hybrid Power Input) | | | |
| Max MPPT Efficiency | 99% | | | |
| Max Input Current | 16 A | 29A | 44A | 55A |
| Number Of Strings | 2 | | 4 | |
| **Hybrid AC Input** | | | | |
| Voltage | 220/240V 1-Phase or 3-Phase | | 220/240V 3-Phase | |
| Rated Input Current | 22 A | 25A | 32A | 45A |
| Hybrid Mode | Automatic. AC supplement automatic while solar low power and AC disconnect automatic while solar power recovery | | | |
| **AC Output For Pump ( Asynchronous motor)** | | | | |
| Max Adapted AC Pump Horse Power | 5 HP | 7.5 HP | 10 HP | 15 HP |
| Max Adapted AC Pump Power | 3.7KW | 5.5KW | 7.5KW | 11KW |
| Max Output frequency | 50 ~ 60 Hz | | | |
| Phase | 220 / 240V 1-Phase or 3-Phase (Compatible) | | | 220 / 240V 3-Phase |
| Rated Output Current | 20A | 25A | 32A | 45A |
| **Other Characters** | | | | |
| Max Efficiency | 97% | | | |
| Water level Sensor(well / tank) | Yes | | | |
| Communication Port | RS232 | | | |
| 4G/Wifi Monitor&Controller | Support (Optional) | | | |
| Display | LCD Display | | | |
| Waterproof | IP65 | | | |
| Noise | < 50dB | | | |
| Cooling Method | Force Cooling by Fan (IP68) | | | |
| Protection | Solar DC input Low/Over Voltage<br>Solar DC Input Reverse Polarity<br>AC Output Short-circuit<br>AC Output Over Current<br>Over Temperature<br>Over Load<br>Over Flow of Tank<br>Against Lightning<br>AC Output Phase Lose(3Phase)<br>AC Output Unbalance(3Phase)<br>Dry-Run (detecting by Sensor or Software) | | | |
| **Operating Enviornment** | | | | |
| Operating environment temperature | -10 to 60℃, Above 60℃ need to derate load | | | |
| Max Humidity | 95%RH | | | |
| Using altitude | < 3000m, Above 3000m need to derate load | | | |

Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc

| Package | | | |
|---|---|---|---|
| Size (L*W*H) | 500*350*220mm | 550*385*240mm | |
| Weight | 10KG | 15KG | 16KG |