

# Growatt SPI 3000~22000 Series Solar Pump Inverter

- Automatically running convenience for customer operate
- MPPT efficiency up to 99%
- IP65 protection level suitable for outdoor harsh environment
- Wide PV input voltage up to 900V to reduce the BOS cost
- With full / empty water level and dry running protection
- Remote monitor and smart control system (optional)



**GROWATT**

P O W E R  
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| Datasheet                        | SPI 3000      | SPI 4000 | SPI 5500   | SPI 7500      | SPI 9200    | SPI 11000     | SPI 13000     | SPI 15000    | SPI 18500  | SPI 22000    |  |  |  |  |  |  |  |
|----------------------------------|---------------|----------|------------|---------------|-------------|---------------|---------------|--------------|------------|--------------|--|--|--|--|--|--|--|
| <b>Inverter output</b>           |               |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Rated output power               | 3000W         | 4000W    | 5500W      | 7500W         | 9200W       | 11000W        | 13000W        | 15000W       | 18500W     | 22000W       |  |  |  |  |  |  |  |
| Max. output current              | 5A            | 9.5A     | 13A        | 18.5A         | 21A         | 24A           | 28A           | 32A          | 38A        | 45A          |  |  |  |  |  |  |  |
| Output frequency                 | 0-50/60Hz     |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Output voltage                   | 3PH 380V      |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| <b>Solar input</b>               |               |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Max. recommended PV power        | 3600W         | 4800W    | 6600W      | 9000W         | 11000W      | 13200W        | 15600W        | 18000W       | 22200W     | 26500W       |  |  |  |  |  |  |  |
| Recommend pump capacity          | 2.2KW(3HP)    | 3KW(4HP) | 3.7KW(5HP) | 5.5KW(7.5HP)  | 7.5KW(10HP) | 9.2KW(12.5HP) | 11KW(15HP)    | 13KW(17.5HP) | 15KW(20HP) | 18.5KW(25HP) |  |  |  |  |  |  |  |
| Max. DC input voltage            | 900V          |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Qty. of PV input ports           | 2             |          |            | 3             |             |               | 5             |              |            |              |  |  |  |  |  |  |  |
| Recomm MPP votage                | 500-680V      |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| <b>Mechanical specifications</b> |               |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Protection degree                | IP65          |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Weight                           | 13.79kg       |          |            | 18.32kg       |             |               | 23.85kg       |              |            |              |  |  |  |  |  |  |  |
| Demension (W/H/D)                | 340/480/157mm |          |            | 370/530/171mm |             |               | 410/570/178mm |              |            |              |  |  |  |  |  |  |  |
| <b>Operating environment</b>     |               |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Altitude                         | <2000m        |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |
| Operation temperature range      | -25°C to 60°C |          |            |               |             |               |               |              |            |              |  |  |  |  |  |  |  |

## Solar Pump System Diagram

