

Product SPECIFICATION SHEET



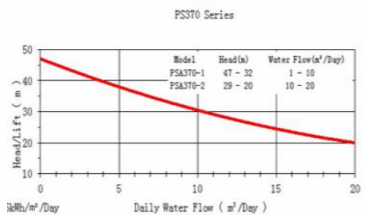
PS Series Solar Pumping Systems



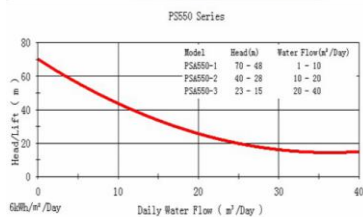
A single solar irrigation system consists of only one pump, a power-matched solar array and an inverter. The aim of optimisation is to reduce the amount of PV modules as much as possible on the premise of filling the requirement of head and capacity. The rotational speed of the pump is regulated according to the irradiation on the solar array. When sunlight reached its peak, the pump runs at the rated speed and the output approaches the peak power of the solar array, when sunlight is less abundant, the speed of the pump varies below the rated speed with the MPPT (Max Power Point Tracking) regulating the output frequency of the inverter according to the irradiation in real time to achieve max performance of the system. The system dispenses with energy storage devices and stores water instead of electricity. This improves the reliability of the device and at the same time lowers the construction and maintenance

| Code | PS370-1 | PS550-1 | PS750-1 | PS1100-2 | PS1500-2 | PS2200-1 | PS3000-1 | PS4000-1 |
|-----------------------------------|-----------------|------------------|--------------|----------------|--------------|----------------|----------------|----------------|
| Kw | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 | 3.7 | 5.5 |
| Head(m) | 27-35 | 37-52 | 45-61 | 54-73 | 68-95 | 91-133 | 118-169 | 155-207 |
| Flow m³/day | 10-7.5 | | | 15-10 | | | | |
| No. of Panels (RHV-260 HV) | 4 | | | 8 | 10 | 12 | 18 | 27 |
| Inverter Type | PB400L | PB750L | | PB1500L | | PB2200L | PB3700H | PB5500H |
| Amps | 3 | 5 | | 7 | | 11 | 9 | 13 |
| kW | 0.25-0.4 | 0.55-0.75 | | 1.1-1.5 | | 2.2 | 3-3.7 | 4-4.5 |
| MPP Volts | 280-350 | | | | | | 500-600 | |

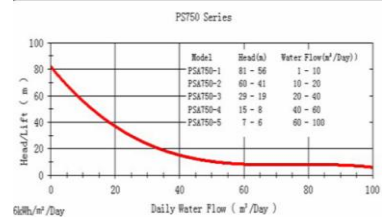
Solar Pumping System PS370 Series



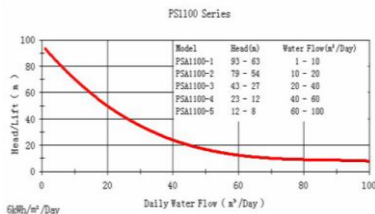
Solar Pumping System PS550 Series



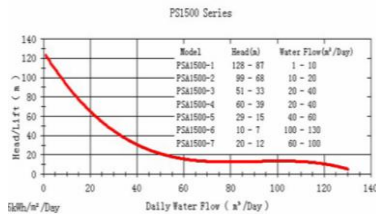
Solar Pumping System PS750 Series



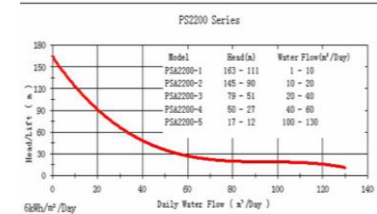
Solar Pumping System PS1100 Series



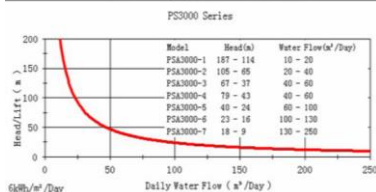
Solar Pumping System PS1500 Series



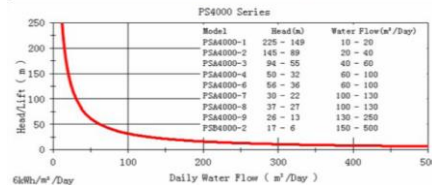
Solar Pumping System PS2200 Series



Solar Pumping System PS3000 Series



Solar Pumping System PS4000 Series



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