

Monocrystalline panels lead expanding line

Top trends

- **Small but growing line:** No more than 10 percent of China's pump systems run on solar energy. But the share will continue to increase on the back of the government's subsidy to the solar industry.
- **Typical inclusions:** Products from China consist of the pump, controller, solar panels and brackets. The pump runs on either AC or DC, the former type bundled with an inverter that is usually in a controller box. DC pumps are used for small or midsize applications with 2W to 2kW power at 6 to 36V and 4 to 75L/min water flow. AC pumps are rated at 2 to 6kW and 110 to 380V, with a water flow rate exceeding 500L/min. The vertical lift of both types is 1 to 100m, and service life 3 to 10yr.
- **Monocrystalline panels lead:** Over 80 percent of systems use this type, and the rest are based on polycrystalline variants. The conversion rate of local inputs now reaches 19 percent, 2 percent higher than three years ago.

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[Alnew Technology Co. Ltd](#)

★★★★★

Model: TF2480

Description: Monocrystalline silicon solar panels; for 4in or larger wells; 144 to 1,440W; 24VDC; 45L/min flow rate; 76mm intake, 32mm outlet sizes; 18,000rpm rotation speed; corrosion-resistant housing with stainless steel fasteners; 50 mesh stainless steel inlet screen; IP68 rating

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[Guangzhou Future Solar Technology Co. Ltd](#)

★★★★★

Model: FS-S614

Description: Monocrystalline silicon solar panels; 3kW solar power; 200W; 750Ah 48V battery; 100A 48V controller; 110/220V, 50/60Hz output; 480x275x462mm; RoHS

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[Ruiher Alternative Energy Co. Ltd](#)

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Model: 4PSS2-4

Description: Mono or polycrystalline silicon solar panels; six panels; 100W 13.3V per panel; >90% motor efficiency; 200m diving depth; stainless steel housing; 4.5m³/hr maximum flow; 50m maximum head; 1.25, 1.5 or 2in outlet; CE

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[Sunshine Tree Co. Ltd](#)

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Model: SW620FL

Description: Mono or polycrystalline silicon solar panels; for ornamental fountains, statuary; 2W; 6V; fish-safe; four nozzle types; fixed or floating; 250L/h water flow rate; 43in maximum fountain height; two white LEDs switch on automatically at night via light sensor; wall or ground mount

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[Taizhou Seekco Fluid Control Technology Co. Ltd](#)

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Model: S1006

Description: 2 to 12L/min flow rate; 6 bar working pressure; 0 to 10 bar pressure gauge; 6m pump head; G1/2 or G3/4in or 22mm connection size, or custom size; EPP preformed shell insulation

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[Xiamen Solar First Energy Technology Co. Ltd](#)

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Model: SF-SWP-5.5KW

Description: 33 polycrystalline solar panels; 240W; 18 200Ah 12V deep-cycle free-maintenance acid batteries; 5.5kW 380VAC pump; 30m³/hr; 9kW inverter

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