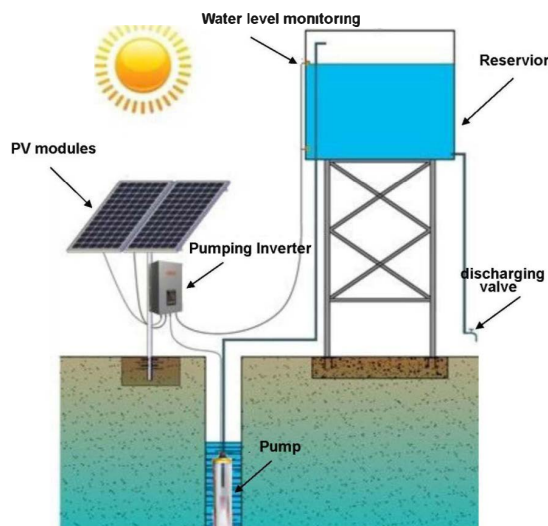


## Photovoltaic pumping system (GD-P)



### SYSTEM COMPOSITION

PV pumping system is mainly made up of solar panel, Pumping inverter, pump, battery and etc

### ADVANTAGE

- ✓ Fully automatic operation, manual unattended, save labor and labor costs
- ✓ No need of expensive storage equipment, directly drive pump water and replace the battery with water storage
- ✓ Photovoltaic water pump inverter control and adjust the running system, to achieve maximum power tracking (MPPT), when the sun is insufficient, it will reduce running frequency automatically, to ensure that the full use of solar power
- ✓ Water pump inverter main circuit adopts the intelligent power module, high reliability, high conversion efficiency of 98%
- ✓ Have complete electrical protection function, optional upper and lower water level detection and control circuit, to prevent overflow and dry extract

### Photovoltaic DC water pump

Flow	Water Inlet	Water Outlet	Rotate Speed
45L/min	76mm	32mm	1800r/min
	Panel Power	Pump lift	Pump Power
operating voltage 12V~18V	190W	10m	120W
	380W	20m	240W
	570W	30m	360W
operating voltage 22V~45V	840W	40m	576W
	1050W	50m	720W
	1260W	60m	864W
	1855W	70m	1176W
operating voltage 40V~90V	2120W	80m	1344W
	2385W	90m	1512W
	2650W	100m	1680W

### Photovoltaic AC water pump

Solar panel peak power	Inverter power	Power	AC pump		
			Flow (m <sup>3</sup> /h)	Pump lift (m)	Pipe (mm)
0.82kW	0.55kW	0.55kW	1~3	54~40	33
1.14kW	0.75kW	0.75kW	2~4	52~28	33
1.64kW	1.1kW	1.1kW	3~7	42~22	33
2.21kW	1.5kW	1.5kW	6~10	34~21	33
3.24kW	2.2kW	2.2kW	5~15	46~22	33
4.41kW	3kW	3kW	8~19	44~19	33
5.8kW	4kW	4kW	10~22	69~33	33
7.41kW	5.5kW	5.5kW	16~36	54~29	50
15.12kW	11kW	11kW	24~60	79~34	50
21.45kW	15kW	15kW	30~70	91~44	67

