



Zhejiang Huda New Energy Equipment Co., LTD

浙江互达新能源设备有限公司

SOLAR PUMP CONTROLLER VFD INVERTER

- Multipule input & output
- Auto switchbetween powers
- Up to 9 sets in parallel
- Zero second delay
- High voltage input
- Operation without battery or grid
- Multiple mppt built-in charger



Solar Water Pump Inverter

GPSI SERIESE

solar pump inverter

1AC 220V PUMP: 0.4~5.5KW
3AC 220V PUMP: 0.4~11KW
3AC 380V PUMP: 0.75~200KW

GSPI series solar pump inverter adopts MPPT (Maximum Power Point Tracking) and excellent motor drive technology to maximize the power output from solar panels. GSPI inverters are compatible with both AC and DC input, and the AC output can be used for various kinds of normal AC pumps. When the solar power is not available, or the sunshine is not strong enough to drive the pump, the inverter could be automatically switched to single phase or three phase AC input power, such as generator, grid power. GSPI solar pump inverters are equipped with overall protection function (self-checking functions for dry running, weak sunshine, full water level, etc.), motor soft start and speed control functions, with perfect function, easy operation and installation. GSPI inverters can also support remote monitoring and control function, which can monitor all operation data and fault information of the inverters.

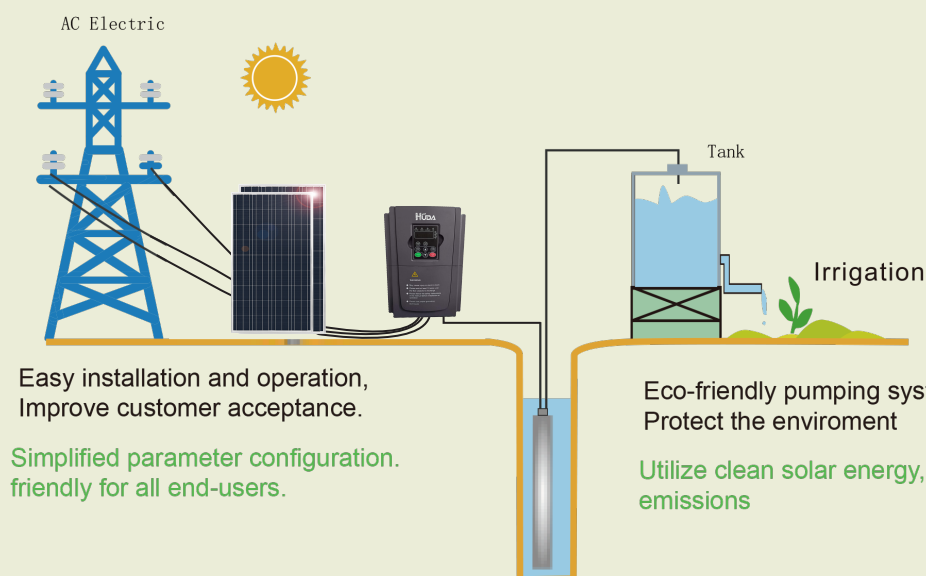


High-tech MPPT function, Maximize the productivity.

Compatible with solar energy and AC power input, working throughout day and night.

Multi protection functions, Enhance working life.

Embedded with pump specific functions, reduce operation risks and maintenance cost.



Easy installation and operation,
Improve customer acceptance.

Simplified parameter configuration.
friendly for all end-users.

Eco-friendly pumping system.
Protect the environment

Utilize clean solar energy, 0 CO2
emissions

Solar Water Pump Inverter

Product feature

GPSI SERIESE solar pump inverter

Flexibility

Suitable for all kinds of pumps, including single phase 220V pump
Compatible with all popular solar panels
Support AC input, could switch grid power supply to make system work 24 hours

Smartness

Built-in MPPT technology with up to 99% efficiency
With water level detection function, automatically regulate the pump flow to prevent dry running, full water level, etc
Self- adaptation to the motor's power rating

Low carbon economy

In-built MPPT with high efficiency

Pump specific protection

Best off grid solution and Perfect stable frequency output



Reliability

10-year market proven experience of leading motor and pump drive technology
Soft start feature to prevent water hammer and increase system life
Built- in overvoltage, overload, under voltage and weak sunshine protection

Remote Monitoring

Standard RS485 interface, support to remote monitor the system with MIC NO software on PC
Optional GPRS module for remote monitoring
Spots value of solar pump parameters monitoring available from anywhere
Support the lookup of the history parameters of solar pump system

Solar Water Pump Inverter



Water Pump Solar Inverter Selection Guide

Name Plate

GSPI600 - 2R2G -S 2

Series Name

Power Level
1R5G:1.5kW
0.22:2.2kW

Voltage Level
2:220V/240V
4:380V/440V

Phase Level

S2:1PH Input and 3ph output

SS:1PH Input and 1ph output

-2:3PH 220V Input and 3ph output

-4:3PH Input and 3ph output

Series	Model	Rated output power (kw)	Rated input current (A)	Rated output current (A)
-SS2 Series Sing-phases, 220V input/output (0.4-2.2kw)	GSPI600-0R4G-SS2-PV	0.4	6.5	4.2
	GSPI600-0R7G-SS2-PV	0.75	9.3	7.2
	GSPI600-1R5G-SS2-PV	1.5	15.7	10.2
	GSPI600-2R2G-SS2-PV	2.2	24	14
-S2 Series Sing-phases 220V input (0.4-2.2kw)	GSPI600-0R4G-S2-PV	0.4	6.5	2.5
	GSPI600-0R7G-S2-PV	0.75	9.3	4.2
	GSPI600-1R5G-S2-PV	1.5	15.7	7.5
	GSPI600-2R2G-S2-PV	2.2	24	10
-2 Series Three-phases, 220V (4-7.5kw)	GSPI600-004G-2-PV	4	17	16
	GSPI600-5R5G-2-PV	5.5	25	20
	GSPI600-7R5G-2-PV	7.5	33	30

Solar Water Pump Inverter



Water Pump Solar Inverter Selection Guide

Series	Model	Rated output power (kw)	Rated input current (A)	Rated output current (A)
-4 Series Three-phases, 380v (0.75-200kw)	GSPI600-0R7G-4-PV	0.75	3.4	2.5
	GSPI600-1R5G-4-PV	1.5	5	4.2
	GSPI600-2R2G-4-PV	2.2	5.8	5.5
	GSPI600-004G-4-PV	4	13.5	9.5
	GSPI600-5R5G-4-PV	5.5	19.5	14
	GSPI600-7R5G-4-PV	7.5	25	18.5
	GSPI600-011G-4-PV	11	32	25
	GSPI600-015G-4-PV	15	40	32
	GSPI600-018G-4-PV	18.5	47	38
	GSPI600-022G-4-PV	22	56	45
	GSPI600-030G-4-PV	30	70	60
	GSPI600-037G-4-PV	37	80	75
	GSPI600-045G-4-PV	45	94	92
	GSPI600-055G-4-PV	55	128	115
	GSPI600-075G-4-PV	75	160	150
	GSPI600-090G-4-PV	90	190	180
	GSPI600-110G-4-PV	110	210	210
	GSPI600-132G-4-PV	132	240	250
	GSPI600-160G-4-PV	160	290	300
	GSPI600-185G-4-PV	185	330	340
	GSPI600-200G-4-PV	200	370	380



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