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ADA *Focus on AC - DC - AC Technology*
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V2.0

ADA Solar Pump Inverter



PRODUCTS CATALOGUE

SHENZHEN ADA POWER ELECTRONICS CO., LIMITED

Company Profile

Shenzhen Ada Power Electronics Co. Limited which integrates research, production and sales as a whole, is a professional manufacturer of the inverter and solar pump inverter. Our products are exported to more than 60 countries all over the world. Our advantage is reflected in the high quality and the competitive price.

The company holds the business philosophy that "Quality Refers to Strength, Details Reach to Success", and tries its best to do well at every aspect.

Meanwhile, we welcome the OEM, ODM, SKD order as well.

We have made great efforts to focus our attention on the needs of customers, provide them competitive solutions and services. Our ultimate goal is to create the maximum profit for our customers and make contributions to the world's electrical automation industry.

Finally, you are welcome to be our distributor and partner.



Quality First



Manufacture based on world-class components



ADA

Quality First

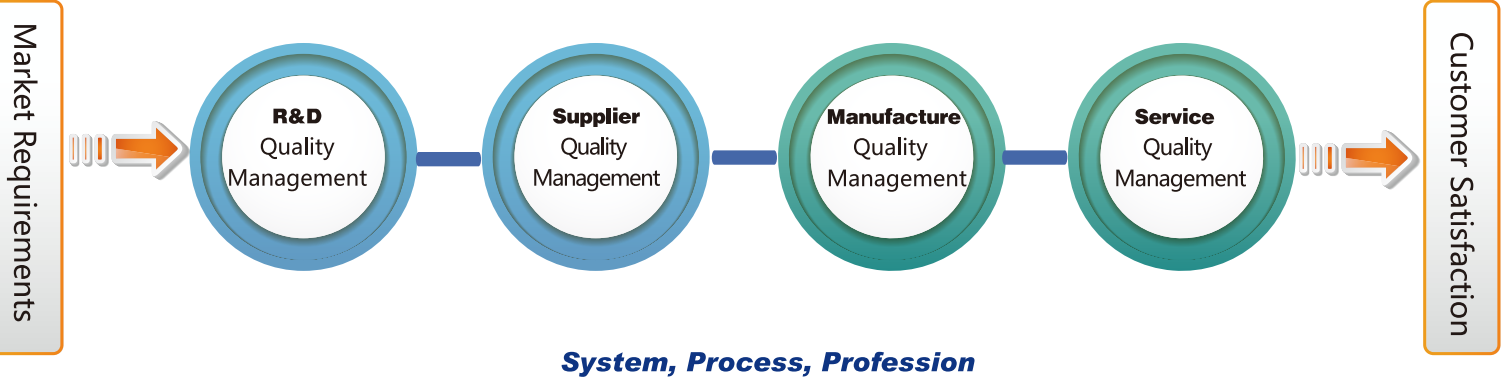


Experienced R&D team

- ★ Come from core team of world's top five hundred company
- ★ Ten years of AC-DC-AC control technology experiences
- ★ Accumulate plenty of experiences for variable applications
- ★ Strong ability of customized products design
- ★ Market-oriented developing



TQM - Total Quality Management



Solar Pump Inverter

SPI100

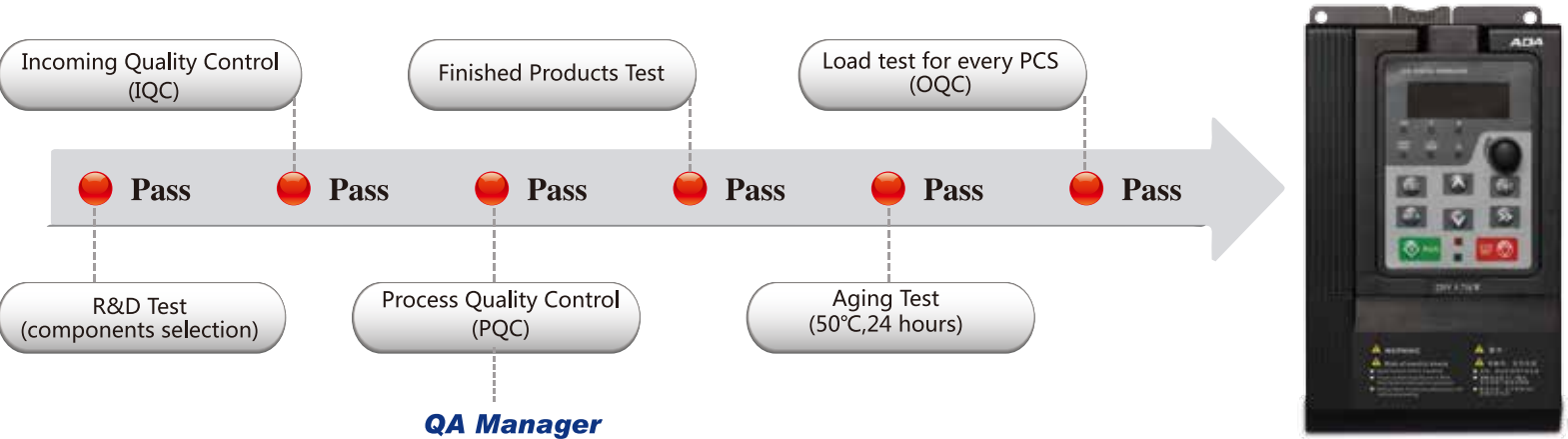


Simple and easy
High efficiency MPPT
Fully automatic running
Pump protection
Water level control

Output: 1AC or 3AC 220V~240V

Specification

Max input DC voltage	450VDC
Recommended MPPT voltage range	250~350VDC
Recommended input voltage (V _{mpp})	300~330VDC
MPPT efficiency	99.9%
Rated output voltage	1AC / 3AC 220~240V
Output frequency range	0~600Hz
Efficiency of the inverter	97%
IP grade	IP20
Water level control fuction	Low water level start High water level stop



SPI200

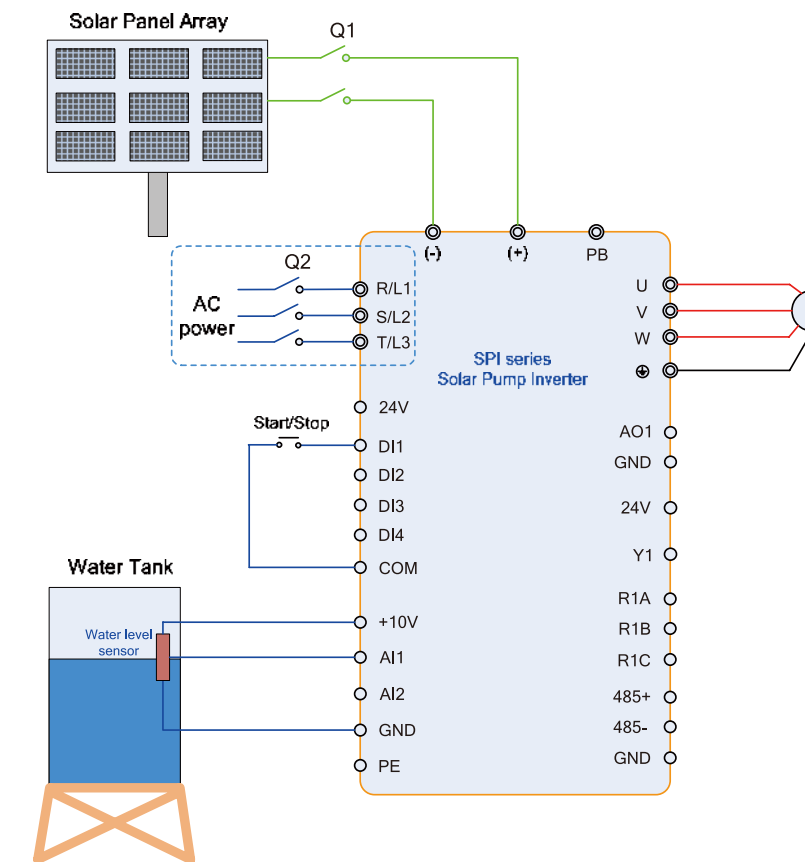


Simple and easy
High efficiency MPPT
Fully automatic running
Water level control
Max. water head: 300m
Max. water flow: 800m3/day

Output: 3AC 380V~415V

Specification

Max input DC voltage	800VDC
Recommended MPPT voltage range	450~600VDC
Recommended input voltage (V_{mpp})	500~540VDC
MPPT efficiency	99.9%
Rated output voltage	3AC 380~415V
Output frequency range	0~600Hz
Efficiency of the inverter	97%
IP grade	IP20
Water level control fuction	Low water level start High water level stop



Solar panel: Poly Silicon or Amorphous Silicon

Inverter: SPI series solar pump inverter

Pump: Submersible Pump or Common Pump

Product features

Sunshine



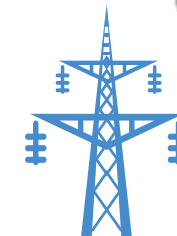
No staff care



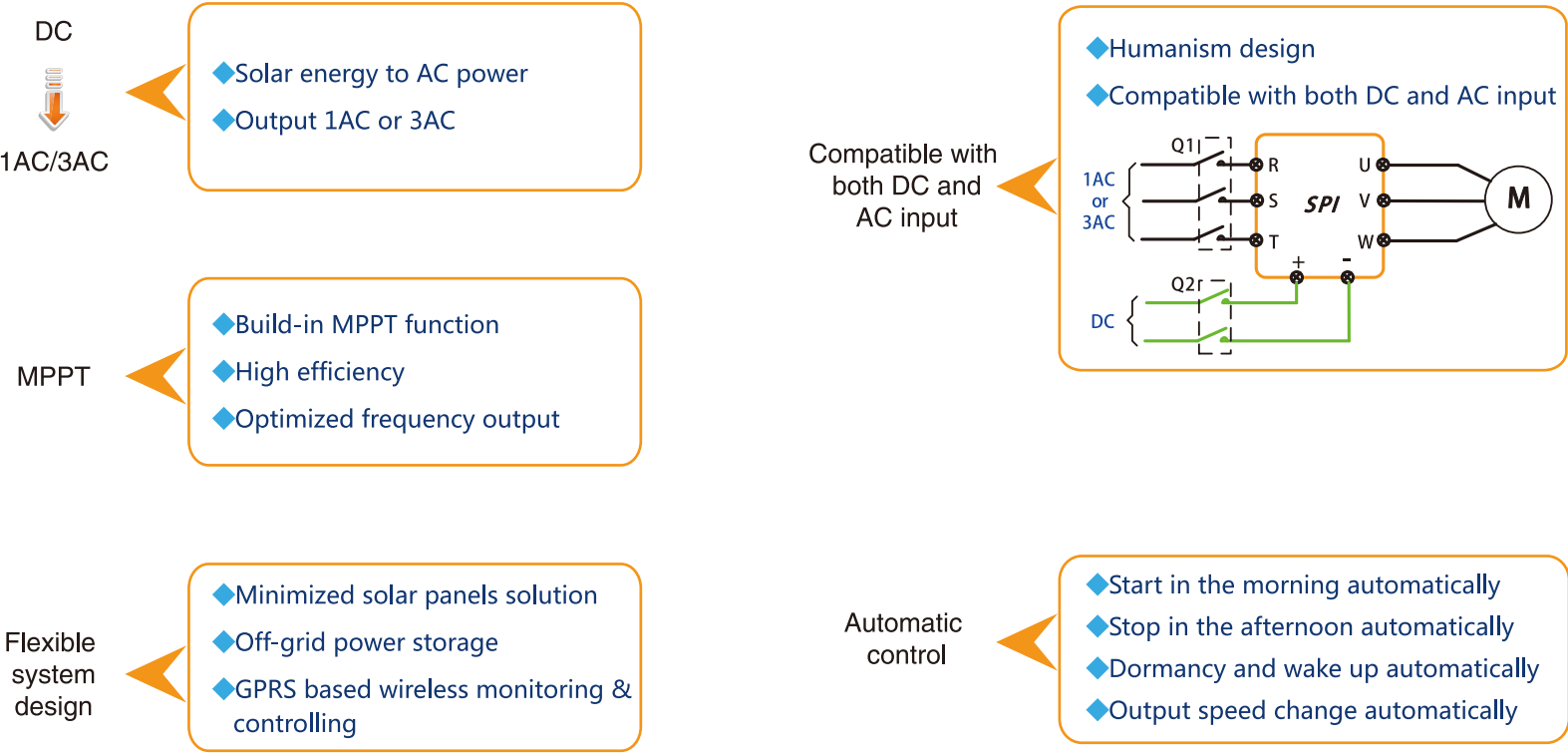
No diesel



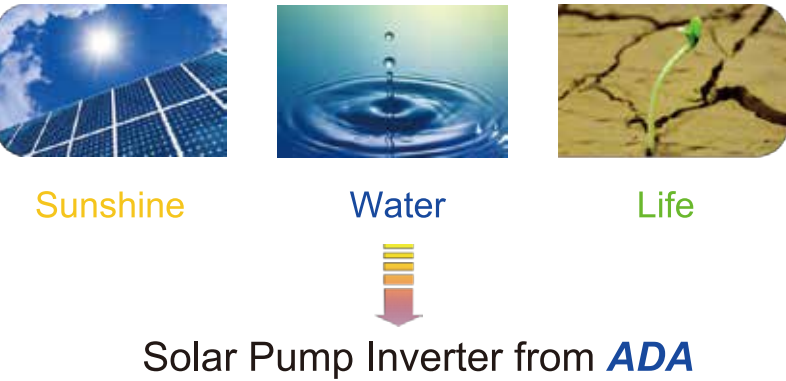
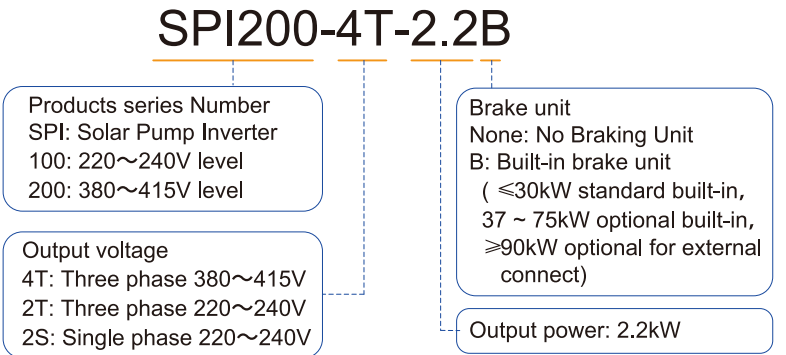
No grid



Product features



Model description



Model Selection

Single-Phase 220~240V output			
Model No.	Rated output power (kW)	Max. DC input current (A)	Rated output current (A)
SPI100-2S-0.2B	0.2	2.5	1.6
SPI100-2S-0.4B	0.4	4.5	2.5
SPI100-2S-0.7B	0.75	7.5	4.2
SPI100-2S-1.5B	1.5	10	7.5
SPI100-2S-2.2B	2.2	18	9.5

Three-Phase 220~240V output			
Model No.	Rated output power (kW)	Max. DC input current (A)	Rated output current (A)
SPI100-2T-0.2B	0.2	2.5	1.6
SPI100-2T-0.4B	0.4	4.5	2.5
SPI100-2T-0.7B	0.75	7.5	4.2
SPI100-2T-1.5B	1.5	10	7.5
SPI100-2T-2.2B	2.2	18	9.5

Three-Phase 380~415V output

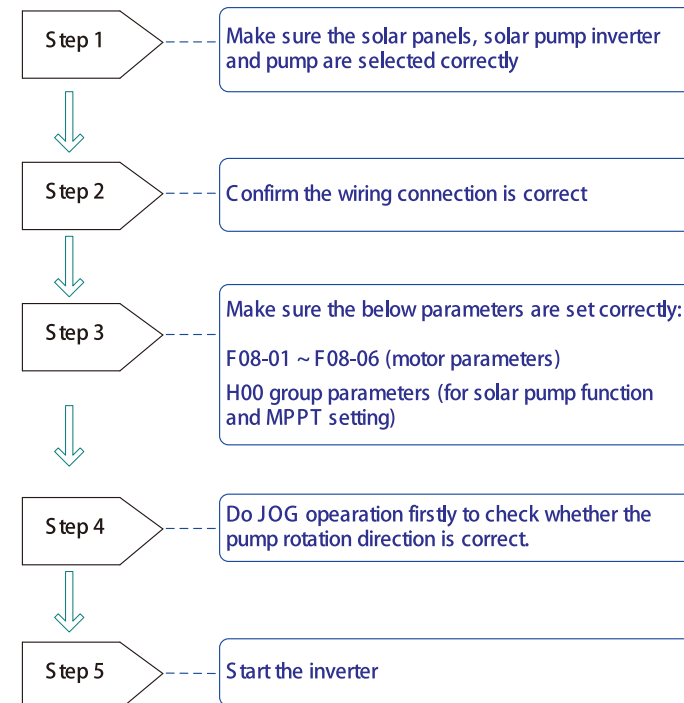
Model No.	Rated output power	Max. DC input current	Rated output current
	(kW)	(A)	(A)
SPI200-4T-0.7B	0.75	4.5	2.5
SPI200-4T-1.5B	1.5	7.5	4.2
SPI200-4T-2.2B	2.2	10	5.5
SPI200-4T-4.0B	4.0	18	9.5
SPI200-4T-5.5B	5.5	20	13
SPI200-4T-7.5B	7.5	30	17
SPI200-4T-011B	11	40	25
SPI200-4T-015B	15	50	32
SPI200-4T-018B	18.5	60	37
SPI200-4T-022B	22	80	45
SPI200-4T-030B	30	100	60

※ The listed models are standard power ratings, for higher ratings, please contact ADA for details.

※ Outline dimension of SPI100 same as AD100

※ Outline dimension of SPI200 same as AD200

Fast operation process



Typical Applications



Urban Water



Agricultural Irrigation



Desert Control



Home Use



Forestry

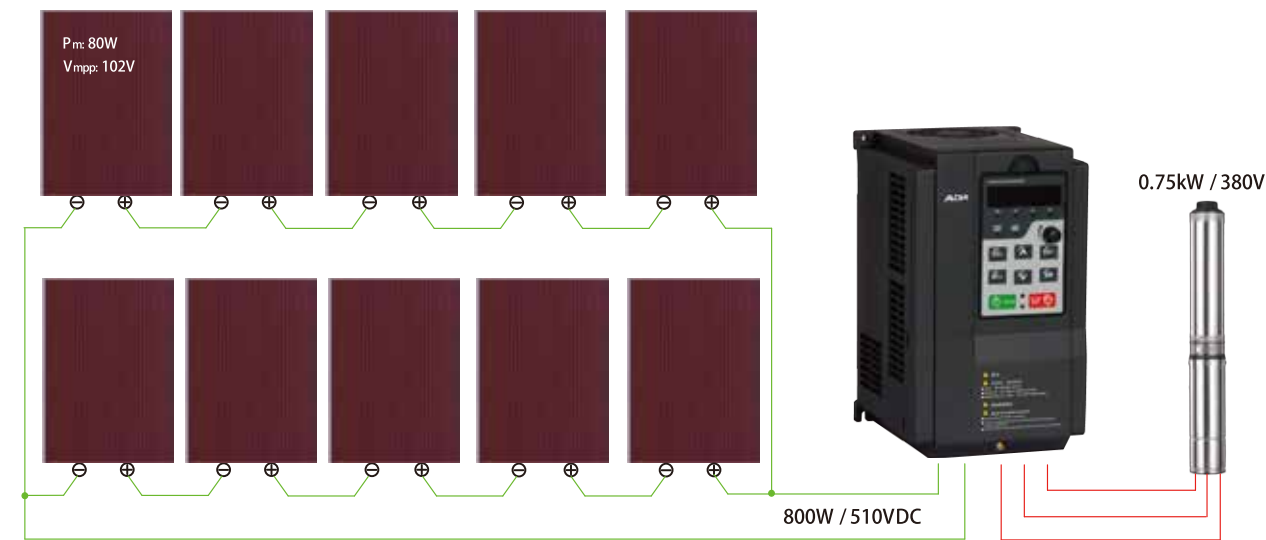


Fountain



Grassland Animal Husbandry

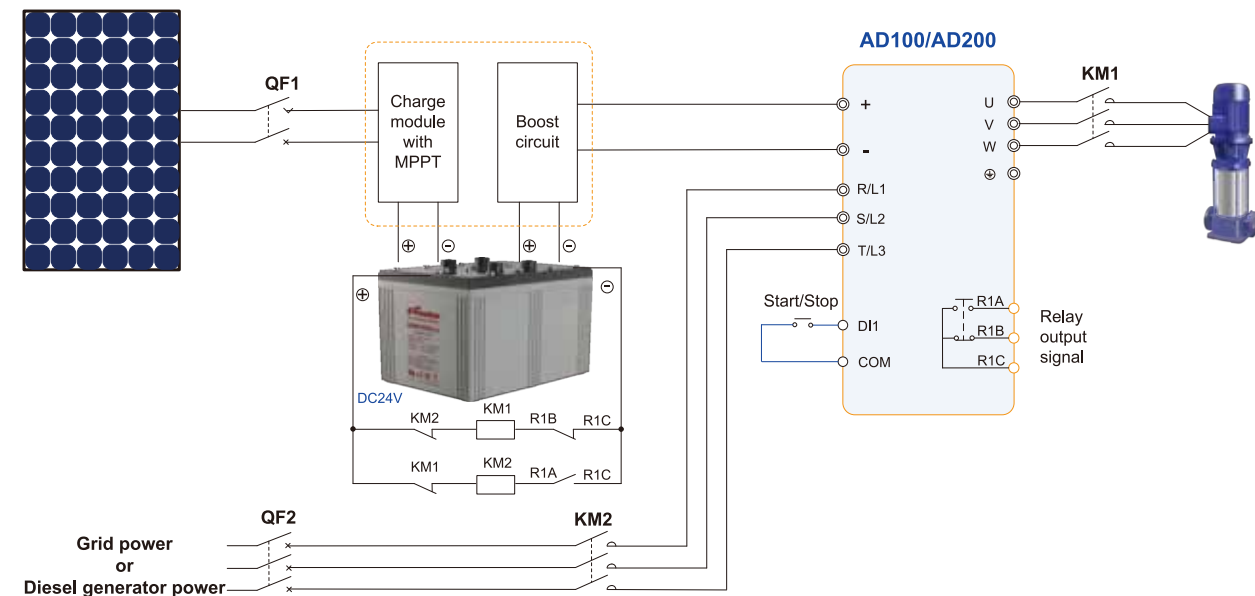
0.75kW/380V Amorphous Silicon Pumping System



Solar Panel Selection

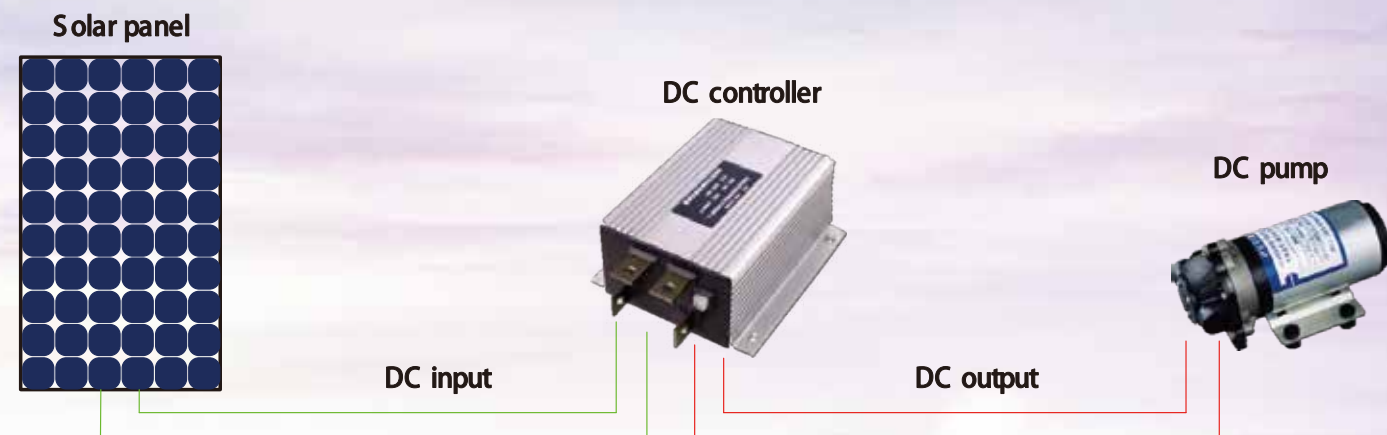
Voltage (Vmpp)	SPI100: 300~330VDC	SPI200: 500~540VDC
Total Power	Poly Silicon: 1.3 times of pump power rating Amorphous Silicon: same power rating of pump	
PCS / String	SPI100: 300~330V / module voltage	SPI200: 500~540V/ module voltage

Power Storage Solution



- ★ The system includes different power supplies like solar, battery, grid power or diesel generator power;
- ★ In the day time, the solar power supply is on priority, and meantime to charge the battery; in the night, the power supply can be switched to grid power or diesel generator power. The battery can be taken away for home use;
- ★ The system build-in an intelligent charge module and a DC boost module, which makes the solar panel always works at maximum efficiency, and also the inverter works at a stable power supply condition.

DC Pumping System Solution



Typical Applications



Oxygen pump of fish bowl



Children's shower



Agriculture irrigation

Features

Safe, less noise, long-life and no environmental pollution
Most suitable for small power system

High conversion efficiency
High reliability

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