

RS-P Solar Pump Controller

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VER.2016D



Shenzhen V&T Technologies Co., Ltd.

Stock Code : 300484

Company Introduction

- ❖ ShenZhen V&T Technologies Co., Ltd was established in 2006, which was certificated as a "National Hi-tech and Double-Software Enterprise"
- ❖ engaged in Variable Frequency Drive, Servo Drive, Electric Vehicle Controller, Inverter and other power electronics product with independent intellectual property rights covering R&D, manufacturing.



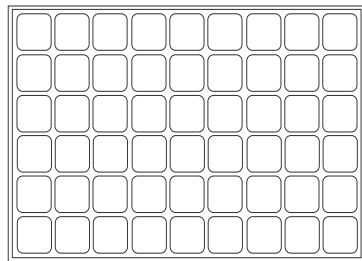
manufacturing



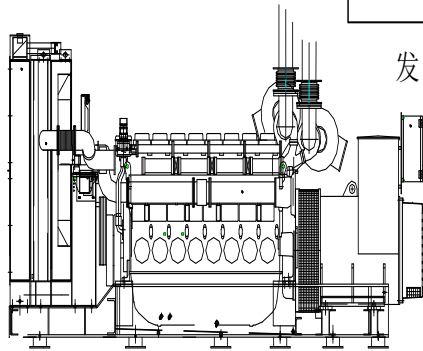
Certification



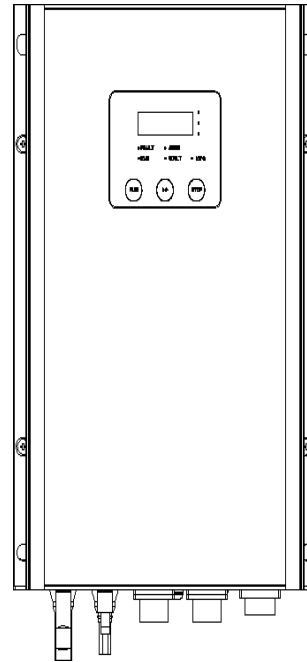
system component



光伏阵列



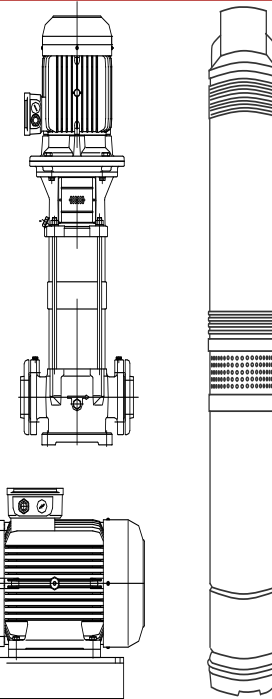
发电机



RS-P太阳能光伏水泵控制器

三相交流水泵

三相异步电机



Power Supply

- Solar Electric
- Generator power
- 380v electricity power

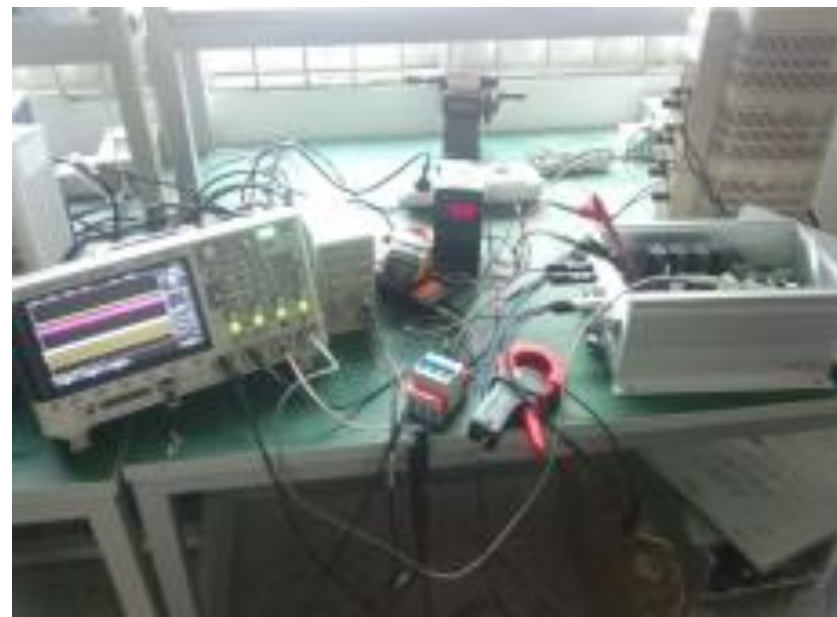
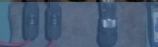
controller

- no battery
- Solar high-speed MPPT
- vetor control technology**
- perfet protection、485communication ports and other developed function

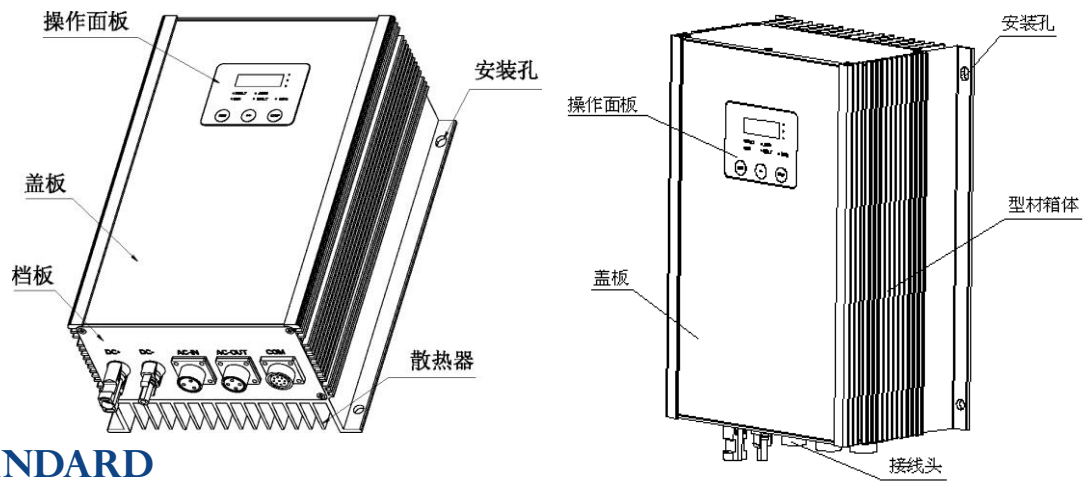
•load

- 3-phase asynchronous motor
- 3-phase pump

RS-P Solar Water Pump Controller



RS-P solar water pump controller



INTERNATIONAL STANDARD

IEC61800-2	General requirements—Rating specifications for low voltage adjustable frequency a.c. power drive systems
IEC61800-3	EMC product standard including specific test methods
IEC61000-6	Electromagnetic compatibility (EMC) —Part6:Generic standards
IEC61800-5-1	Safety requirements —Electrical, thermal and energy
EN61000-6-1	General standard of household, commercial, light industry environment radio immunity characteristics—Limits and methods of measurement
EN61000-6-3	Electromagnetic compatibility (EMC), standard — residential, commercial and light industry environmental emission standards
EN61800-5-1	Suitable for adjustable speed electrical power drive system
UL508C	UL Standard for Safety for Power Conversion Equipment

RS-P Solar Water Pump Controller



Power (W)		600	800	1200	1700	2500	3600	5000	6600	7700	11K	12K	17K	21K	23K	33K
Motor power (kW)		0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	9.2	11.0	15.0	18.5	22.0	30.0
Output	Voltage (V)	Three-phase AC 380V (adjustable area 0 ~ Rated Input AC voltage)														
	Rated current (A)	1.7	2.5	3.5	3.8	5.5	8.5	9.0	13.0	17.0	22.0	24.0	30.0	39.0	45.0	60.0
	Overload	150%: 1 minute, 180%:10 second, 200%: 0.5 second, interval: 10 minutes (inverse time lag feature)														
Input	Rated Voltage / Frequency	Three-phase 380V/ 480V 50Hz/60Hz ; PV Area Voc DC700V±50V Maximum DC800V														
	Allowable	Three-phase 323V to 528V, Voltage imbalance: ≤3%, allowable frequency fluctuation: ±5% MPPT Area DC520~650V,														
	Rated Current (A)	AC	1.9	2.8	3.9	4.2	6.1	9.4	9.9	14.3	18.7	24.2	26.4	33	42.9	49.5
	DC	2.1	3.0	4.2	4.6	6.6	10.2	10.8	15.6	20.4	26.4	28.8	36	46.8	54	72
Protection class		IP20														
Cooling mode		Natural-cooling					Forced air convection cooling									
Power (W)		40K	47K	66K	77K	100K	120K	140K	170K	210K	230K	270K	28K	330K	400K	450K
Motor power (kW)		37.0	45	55	75	90	110	132	160	200	220	250	280	315	355	400
Output	Voltage (V)	Three-phase AC 380V (adjustable area 0 ~ Rated Input AC voltage)														
	Rated current (A)	75	91	112	150	176	210	253	304	380	426	470	520	600	650	690
	Overload	150%: 1 minute, 180%:10 seconds, 200%: 0.5 second, interval: 10 minutes (inverse time lag feature)														
Input	Rated Voltage / Frequency	Three-phase 380V/ 480V 50Hz/60Hz ; PV Area Voc DC700V±50V Maximum DC800V														
	Allowable	Three-phase 323V to 528V, Voltage imbalance: ≤3%, allowable frequency fluctuation: ±5% ; MPPT Area DC520~650V,														
	Rated current (A)	AC	82.5	99	123.2	165	193.6	231	278.3	334.4	418	468.6	517	572	660	715
	DC	90	108	134.4	180	211.2	252	303.6	364.8	456	511.2	564	624	720	780	828
Protection class		IP20														
Cooling mode		Natural-cooling					Forced air convection cooling									

* Above RS-P-4D17K are customized products.



Farm irrigation



- ❖ RS-P-4D33k-GZ solar water pump system :2 Set Roof solar system
- ❖ RS-P-4D33K-GZ controller cage, Solar power & 3PH Power supply auto-change
- ❖ 2 set Pump & 6 Set Fan, 4Inch pipe, Lift Head 40 Meters water Tower
- ❖ 2set solar power system, each 30kw
- ❖ Green house & irrigation about 3000 acre

Mountain Villages Life Water supply



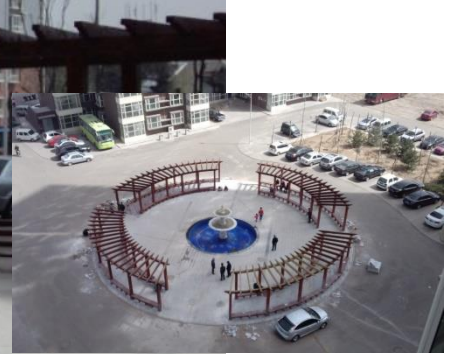
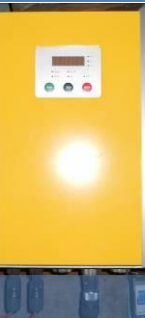
- ❖ RS-P-4D6600 solar water pump controller system :off-grid solar system
- ❖ RS-P-4D6600 controller*3,
- ❖ Vertical Centrifugal Pump Group, Pipe DN65mm Length 3070M, Lift Head 200M,
- ❖ 250W Solar Panel, 84Pcs, Total 21kw
- ❖ Mountain Villages Life Water supply .

Landscape waterwheel



- ❖ RS-P-4D6600 solar pump controller system :off-grid solar system
- ❖ RS-P-4D6600 controller,
- ❖ 3PH Motor 7.5kw, Reducer,
- ❖ 190W Solar Panel, 32Pcs, Total 6kw
- ❖ 3Phase Motor reducer drive waterwheel.

Landscape Fountain



- ❖ RS-P-4D1700 solar pump controller system :off-grid solar system
- ❖ RS-P-4D1700 controller *2set, Time control, solar power & Grid power auto,
- ❖ 3PH Motor 1.5kw *2set,
- ❖ 230W Solar Panel, 21Pcs, Total 5kw
- ❖ Fountain water flow Strong or weak by the sunshine change.

Desert villages live water supply



- ❖ RS-P-4D1700 solar pump controller system :off-grid solar system
- ❖ RS-P-4D1700 controller,
- ❖ 3PH Motor 1.5kw,
- ❖ 140W Solar Panel, 16Pcs, Total 2.2kw
- ❖ Well deep 60M, water level 40M/40~60m³/Day, .



Industrialized Platform Series



- ◆ Electric vehicle motor driver series
- ◆ Tool servo drive
- ◆ Air compressor inverter
- ◆ Mine winch special inverter
- ◆ Paper industry special inverter
- ◆ Water supply special inverter
- ◆ Textile spinning special inverter
- ◆ Ceramic industry special drive
- ◆ Port crane special inverter
- ◆ Tension control curl special inverter
- ◆ Printing industry special inverter
- ◆ Hybrid electro-hydraulic servo drive
- ◆ Integration drive injection molding machine
- ◆ Stone processing industry-specific inverter
- ◆ 3200Hz high frequency special inverter
- ◆ High energy saving ball mill special inverter
- ◆ Explosion-proof special inverter
- ◆ Centrifugal machine special inverter with torque



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