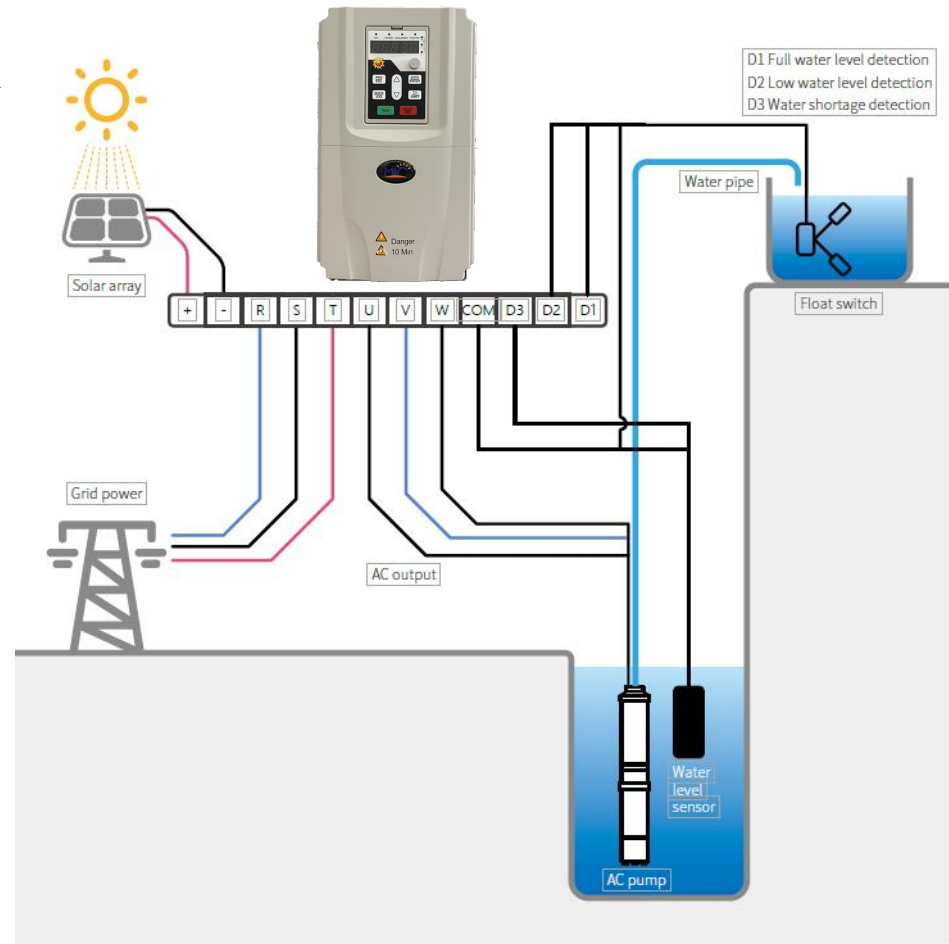




ZX300A-01 Series SOLAR PUMP INVERTER



Solar Pump System



ZX300A-01 Series Solar Pump Inverter



**1AC 220V
pump : 0.4~5.5kW**

**3AC 220V
pump : 0.4~11kW**

**3AC 380V
pump : 0.75~200kW**

Features:

- Suitable for all kinds of pumps, including single phase 220V pump
- Compatible with all popular solar panels
- Support AC input, could switch to grid power supply to make system work 24 hours
- Built-in MPPT technology with up to 99% efficiency
- With water level detection function, automatically regulate the pump flow to prevent dryrunning, full water level, etc
- Self-adaptation to the motor's power rating
- Plug-and-play system design, no need to set any parameter
- Wide range of input voltage
- Easy installation and effortless maintenance
- 10 years market proven experience of leading motor and pump drive technology
- Soft start & Built-in overvoltage, overload, undervoltage and weak sunshine protection
- Optional GPRS module for remote monitoring

Technical Specifications

Technical Index	Specification	
	220V inverter	380V inverter
Input DC voltage	200~450V	300~900V
Max input DC voltage	450V	900V
MPPT Voltage (Vmp)	160~380V	260~750V
Recommended MPPT Voltage (Vmp)	320	550
MPPT efficiency	99.9%	
Input AC voltage	1AC/3AC 220/230/240V	3AC 380/400/415/440V
Output AC voltage	1AC/3AC 0~220/230/240V	3AC 0~380/400/415/440V
Output frequency	0~300Hz	
IP level	IP20	
Fault protection function	Up to 30 general fault protections including overcurrent, overvoltage, undervoltage, overheating, default phase, overload, shortcut, etc., and also include water level sensor failure protection, full water, dry running, weak sunshine warning special protection functions for solar pump system. Could record the detailed running status during failure & has fault automatic reset function.	

Selection Guide

Model	Motor		Rated Output current (A)	Suggested open circuit voltage (V)
	KW	HP		
Single Phase output 220V				
ZX300A-01-04-0R4G-S2	0.4	0.5	4	350~400
ZX300A-01-04-0R7G-S2	0.75	1	7	350~400
ZX300A-01-04-1R5G-S2	1.5	2	9.6	350~400
ZX300A-01-04-2R2G-S2	2.2	3	15	350~400
ZX300A-01-04-004G-S2	4	5	23	350~400
ZX300A-01-04-5R5G-S2	5.5	7.5	32	350~400

Three Phase output 220V				
ZX300A-01-0R4G-S2	0.4	0.5	2.3	350~400
ZX300A-01-0R7G-S2	0.75	1	4	350~400
ZX300A-01-1R5G-S2	1.5	2	7	350~400
ZX300A-01-2R2G-S2	2.2	3	9	350~400
ZX300A-01-004G-S2	4	5	17	350~400
ZX300A-01-5R5G-S2	5.5	7.5	25	350~400
ZX300A-01-7R5G-S2	7.5	10	32	350~400
ZX300A-01-011G-S2	11	15	45	350~400

Three Phase output 380V				
ZX300A-01-0R7G-T4	0.75	1	2.1	625~750
ZX300A-01-1R5G-T4	1.5	2	3.8	625~750
ZX300A-01-2R2G-T4	2.2	3	6	625~750

Model	Motor		Rated Output current (A)	Suggested open circuit voltage (V)
	KW	HP		
ZX300A-01-004G-T4	4	5	9	625~750
ZX300A-01-5R5G-T4	5.5	7.5	13	625~750
ZX300A-01-7R5G-T4	7.5	10	17	625~750
ZX300A-01-011G-T4	11	15	25	625~750
ZX300A-01-015G-T4	15	20	32	625~750
ZX300A-01-018G-T4	18.5	25	37	625~750
ZX300A-01-022G-T4	22	30	45	625~750
ZX300A-01-030G-T4	30	40	60	625~750
ZX300A-01-037G-T4	37	50	75	625~750
ZX300A-01-045G-T4	45	60	90	625~750
ZX300A-01-055G-T4	55	75	110	625~750
ZX300A-01-075G-T4	75	100	150	625~750
ZX300A-01-090G-T4	90	125	176	625~750
ZX300A-01-110G-T4	110	150	210	625~750
ZX300A-01-132G-T4	132	175	253	625~750
ZX300A-01-160G-T4	160	210	304	625~750
ZX300A-01-185G-T4	185	250	340	625~750
ZX300A-01-200G-T4	200	260	377	625~750

Notice:

1. According to the light condition of different areas, the required power of solar array is at least 1.3 times of the inverter power.
2. When used for deep well pump, or the output power line of inverter is longer, the inverter should be derated to use, and need to install output reactor.