

Model	Power (kW)	Input Voltage (V)	Current (A)	Dimension (H*W*D1mm)	Installation Dimension (A*B*dmm)	N,W (KG)
* PI500A-S 0R4G1	0.4	1-phase AC 220V±10% DC200~440V	2.5	185/90/154	65/174/Ø5	1.6
* PI500A-S 0R7G1	0.75		4			
* PI500A-S 1R5G1	1.5		7	185/90/174	65/174/Ø5	1.8
* PI500A-S 2R2G1	2.2		10			
* PI500A-S 004G1	4		16	260/120/190	90/250/Ø5	2.7
PI500-S 5R5G1	5.5		25	300/190/198	140/285/Ø6	7.2
PI500-S 7R5G1	7.5		32			
PI500-S 011G1	11		45	350/210/198	150/335/Ø6	9.5
PI500-S 015G1	15		60	400/240/223	180/385Ø7	13
PI500-S 018G1	18.5		75			
PI500-S 022G1	22		90	520/300/283	220/500/Ø10	41.2
* PI500A-S 0R4G2	0.4		3-phase AC 220V±10% DC200~440V	2.5	185/90/154	65/174/Ø5
* PI500A-S 0R7G2	0.75	4				
* PI500A-S 1R5G2	1.5	7		185/90/174	65/174/Ø5	1.8
* PI500A-S 2R2G2	2.2	10				
* PI500A-S 004G2	4	16		260/120/190	90/250/Ø5	2.7
* PI500A-S 5R5G2	5.5	25		300/190/198	140/285/Ø6	7.2
PI500-S 7R5G2	7.5	32				
PI500-S 011G2	11	45		350/210/198	150/335/Ø6	9.5
PI500-S 015G2	15	60		400/240/223	180/385Ø7	13
PI500-S 018G2	18.5	75				
PI500-S 022G2	22	90		520/300/283	220/500/Ø10	41.2
PI500A-S 0R7G3	0.75	3-phase AC 380V±10% DC350~780V		2.5	185/90/154	65/174/Ø5
PI500A-S 1R5G3	1.5		3.8			
* PI500A-S 2R2G3	2.2		5.1	185/90/174	65/174/Ø5	1.8
* PI500A-S 004G3	4		9			
* PI500A-S 5R5G3	5.5		13	260/120/190	90/250/Ø5	2.7
* PI500A-S 7R5G3	7.5		17			
* PI500A-S 011G3	11		25	280/168/ 180	153/265/Ø5	5.8
* PI500A-S 015G3	15		32			
* PI500A-S 018G3	18.5		37	300/190/198	140/285/Ø6	7.2
* PI500A-S 022G3	22		45			
PI500-S 011G3	11		25	350/210/198	150/335/Ø6	9.5
PI500-S 015G3	15		32			
PI500-S 018G3	18.5	37	400/240/223	180/335/Ø7	13	
PI500-S 022G3	22	45				
PI500-S 030G3	30	60	520/300/283	220/500/Ø10	41.2	
PI500-S 037G3	37	75				
PI500-S 045G3	45	90	575/355/328	250/555/Ø10	58	
PI500-S 055G3	55	110				
PI500-S 075G3	75	150	720/400/368	300/700/Ø10	72.5	
PI500-S 093G3	93	176				
PI500-S 110G3	110	210	820/480/398	370/800/Ø11	108	
PI500-S 132G3	132	253				
PI500-S 160G3	160	304	980/705/418	550/945/Ø13	190	
PI500-S 187G3	187	340				
PI500-S 200G3	200	380	260/120/190	90/250/Ø5	2.7	
PI500-S 220G3	220	426				
PI500-S 250G3	250	465	185/90/174	65/174/Ø5	1.8	
PI500-S 280G3	280	520				
PI500-S 315G3	315	585	185/90/154	65/174/Ø5	1.6	
PI500-S 355G3	355	650				
PI500-S 400G3	400	725	185/90/174	65/174/Ø5	1.8	
* PI500A-S 0R7G4	0.75	2.5				
* PI500A-S 1R5G4	1.5	3.7				
* PI500A-S 2R2G4	2.2	5.0				
* PI500A-S 004G4	4	8				
* PI500A-S 5R5G4	5.5	11				
* PI500A-S 7R5G4	7.5	15				
* PI500A-S 011G4	11	22				



Special Solar inverter for Water Pump





Brief introduction:

PI500-S series solar inverter special for PV water pump adopts the high accuracy fast MPPT algorithms, tracking the PV array output by the maximum power point, driving the pump motor as much as possible to meet various pumping applications. The solar inverter special for PV water pump can support AC input besides support PV array DC input. When the PV array can not drive the motor or does not have output, it can also accept the grid DC input or other AC motor to supply the power to meet various emergency needs.

PI500-S series solar inverter special for PV water pump provides full protection, maximizing the life of motor and pump.

Capacity range:

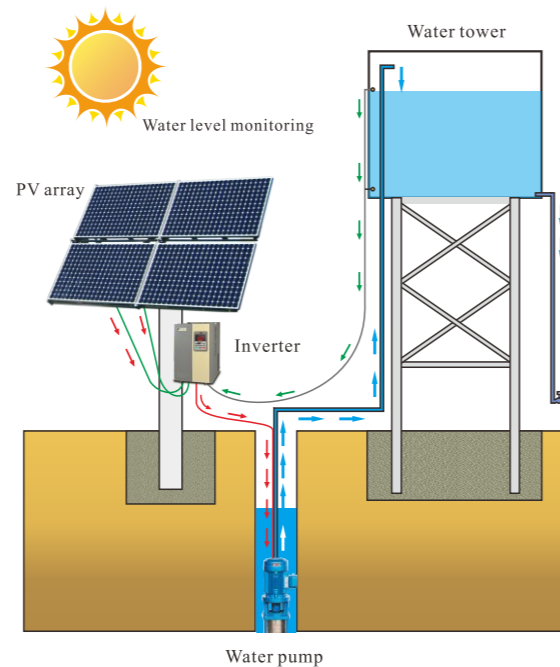
Power range: 0.75~400kW
 Output frequency: 0~400Hz
 Input voltage range:
 1:DC200~440V,1-phase AC220V
 2:DC200~440V,3-phase AC220V
 3:DC350~780V,3-phase AC380V
 4:DC450~890V,3-phase AC480V

Technique Features:

- Built-in high precision PV array maximum power point tracking MPPT algorithms
- Dry running mode monitoring, treatment
- Tank water level control
- Accept DC/AC input
- LED displays the real time situation and the parameter of system
- Based on RS485 real time remote control system
- Fast installation design, no need extra maintenance
- Built-in full protection and diagnostic mechanism.

Application filed:

Agriculture irrigation, grassland animal husbandry, forest irrigation, municipale water,landscape fountain, fish pond, highway greening, coastal saltworks water supply and drainage, etc.



Nameplate instruction:

Inverter model →

Output Power Spec →

Input Power Spec →

Output Spec. →

Bar code →

Production sequence number →

MODEL	PI500A-S 011G3
POWER	11kW
INPUT	DC 350~780V/ AC 3PH 380V
OUTPUT	AC 3PH 0~380V 25A 0~400Hz

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PI 500A-S 011 G 3

Input Voltage Level:
 1:DC200~440V,1-phase AC220V
 2:DC200~440V,3-phase AC220V
 3:DC350~780V,3-phase AC380V
 4:DC450~890V,3-phase AC480V

Product function code:
 G:General Load

Rated output Power:
 Example:011:11kW
 132:132kW

Recommended solar array configuration:

Inverter Power (kW)	Max.DC input current (A)	Open-circuit voltage degree of solar module									
		20±3V		30±3V		36±3V		42±3V			
		Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings
0.75	4.2	30	29*1	-	-	-	-	-	-	-	-
1.5	6.1	60	30*1	--	-	-	-	-	-	-	-
2.2	7.1	90	30*1	-	-	145	18*1	175	15*1	-	-
4	16.5	85	28*2	200	22*1	140	17*2	160	15*2	-	-
5.5	23.9	-	-	-	-	195	17*2	220	15*2	-	-
7.5	30.6	-	-	215	21*2	175	17*3	200	15*3	300	15*2
11	39.2	-	-	200	22*3	195	17*4	220	15*4	-	-
15	49	-	-	205	22*4	200	18*5	240	15*5	300	15*4

*Recommended DC input power is about 1.2~1.5times of motor rated power(for 3 phase,380V inverters)

Technical Specifications:

