

Solar pumping inverters



Brief Introduction

A complete solar Pump system consist of solar array, pump and solar Pump inverter. The inverter can convert DC power from solar PV array to AC power to run pump motors.

Solar array, an aggregation of many solar modules connected in series and parallel, absorbs sunlight radiation and converts it into electrical energy, providing dynamical water for the whole system.

Inverter controls the system operation and adjust the output frequency in real-time according to the variation of sunlight intensity to realize the maximum power point tracking (MPPT).

Pump, drive by 3-phase or single phase AC motor, can draw water from the deep wells or rivers and lakes to pour into the storage tank or reservoir, or directly connect to the irrigation system, fountain system, etc.

Technical Data

Model	-SS	-S	-2T	-4T
AC input voltage (V)	220(-15%)~240(+10%) (1PH)		220(-15%)-240 (+10%) (3PH)	380(-15%)~440 (+10%) (3PH)
Max. DC voltage (V)	440	440	440	800
Start-up voltage (V)	200	200	200	300
Lowest working voltage (V)	150	150	150	250
Recommended DC input voltage range (V)	200~400	200~400	200~	300~750
Recommended MPP voltage (V)	330	330	330	550
Voltage degree	-4T: AC 3PH 380V(-15%)~440(+10%) -2T: AC 3PH 220V(-15%)~240(+10%) -S: AC 1PH 220V(-15%)~240(+10%) -SS: AC 1PH input/output 220V(-15%)~ 240(+10%)			
Protection level	Protection level. 2 —Ip20 The protection level of a standard inverter is IP20, but this field is not displayed.			

Series	Model	Rated output power (Kw)	Rated input current (A)	Rated output current (A)
-SS (0.4~2.2 kW)	S-FPV100-0R4G-SS	0.4	6.5	4.2
	S-FPV100-0R7G-SS	0.75	9.3	7.2
	S-FPV100-1R5G-SS	1.5	15.7	10.2
	S-FPV100-2R2G-SS	2.2	24	14
-S (0.4~2.2 kW)	S-FPV100-0R4G-S	0.4	6.5	2.5
	S-FPV100-0R7G-S	0.75	9.3	4.2
	S-FPV100-1R5G-S	1.5	15.7	7.5
	S-FPV100-2R2G-S	2.2	24	10
-2T (4~7.5 kW)	S-FPV100-004G-2T	4	17	16
	S-FPV100-5R5G-2T	5.5	25	20
	S-FPV100-7R5G-2T	7.5	33	30
-4T (0.75~110 kW)	S-FPV100-0R7G-4T	0.75	3.4	2.5
	S-FPV100-1R5G-4T	1.5	5.0	4.2
	S-FPV100-2R2G-4T	2.2	5.8	5.5
	S-FPV100-004G-4T	4.0	13.5	9.5
	S-FPV100-5R5G-4T	5.5	19.5	14
	S-FPV100-7R5G-4T	7.5	25	18.5
	S-FPV100-011G-4T	11	32	25
	S-FPV100-015G-4T	15	40	32
	S-FPV100-018G-4T	18.5	47	38
	S-FPV100-022G-4T	22	51	45
S-FPV100-030G-4T	30	70	60	
	S-FPV100-037G-4T	37	80	75

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