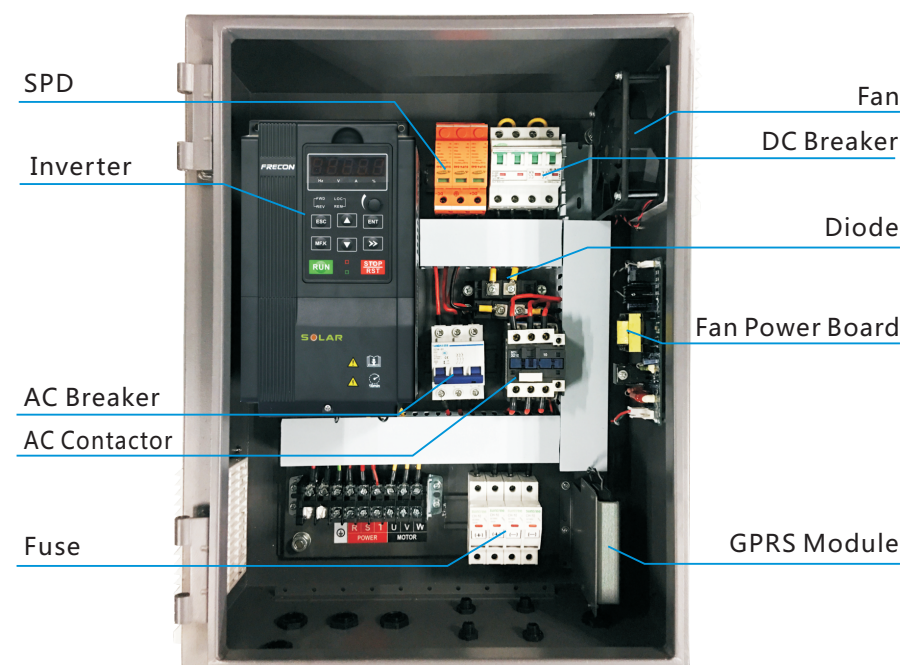


SPV IP54 Cabinet



Dimension (mm)

Model	Power (kW)	Voltage (V)	W	H	D
SPV150-2S-0.7B	0.75	220	550	700	220
SPV150-2S-1.5B	1.5	220			
SPV150-2S-2.2B	2.2	220			
SPV150-4T-0.7B	0.75	380			
SPV150-4T-1.5B	1.5	380			
SPV150-4T-2.2B	2.2	380			
SPV500-4T-4.0B	4.0	380	550	900	220
SPV500-4T-5.5B	5.5	380			
SPV500-4T-7.5B	7.5	380			
SPV500-4T-011B	11.0	380			



PV150&500
Solar Pumping Inverter



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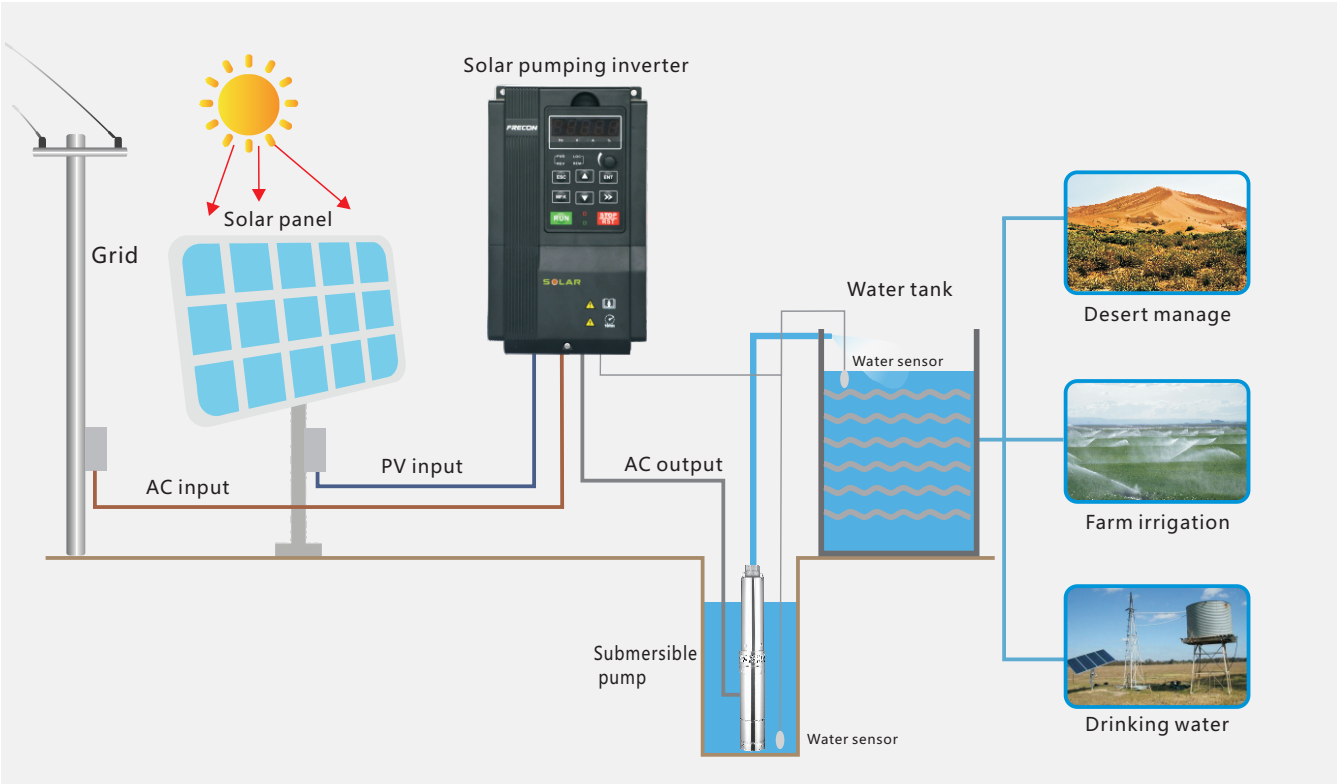


201904(V1.0)



FRECON ELECTRIC (SHENZHEN) CO.,LTD.

Solar Pumping System Diagram



PV Series

Application

Applicable to AM, PMSM, BLDC etc.

Advanced MPPT algorithms

Efficiency reaches 99%

Hybrid power supply

Support solar power DC/Power grid AC input, and DC/AC auto switch

Dormancy and Wake-up function

Inverter will entry dormancy mode and wake up automatically according to sunshine intensity

Built-in protection

Support over-current, over-voltage, phase loss, short circuit, over-temperature and etc. protection

Eco-friendly

Operation without battery

Large water yield

Larger water yield under same condition

Water level control

Dry run protection, tank water level control

Recording functions

Recording for total power generated (Kw/h), water flow(m3), and operation time(H)

Options

DC boost module

0.4~2.2Kw models can be configured with DC boost module to reduce quantity of solar panel

GPRS module

All models can be configured with GPRS module for real-time remote monitoring and operation in WEB

Technical Specification

Model	Rated Output Current(A)	Output Frequency(Hz)	DC Input Voltage Range(V)	Recommended Solar Power (KW)	Recommended Solar Open Circuit Voltage(VOC)	Pump Power(kW)
1S model: DC input 70-450V, AC input 1 phase 110-220V; Output 3 phase 110VAC						
PV150-1S-1.5B	7.5	0-600	70-450	0.8	170-300	0.4
PV150-1S-2.2B	9.5	0-600	70-450	1.5	170-300	0.75
2S model: DC input 70-450V, AC input 1 phase 220V (-15%~20%) ; Output 1 phase / 3 phase 220VAC						
PV150-2S-0.4B	2.5	0-600	70-450	0.8	360-430	0.4
PV150-2S-0.7B	4.2	0-600	70-450	1.5	360-430	0.75
PV150-2S-1.5B	7.5	0-600	70-450	1.9	360-430	1.5
PV150-2S-2.2B	9.5	0-600	70-450	2.8	360-430	2.2
4T model: DC input 230-800V, AC input 3 phase 380V (-15%~30%); Output 3 phase 380VAC						
PV150-4T-0.7B	2.5	0-600	230-800	1	600-750	0.75
PV150-4T-1.5B	4.2	0-600	230-800	1.9	600-750	1.5
PV150-4T-2.2B	5.5	0-600	230-800	2.8	600-750	2.2
PV500-4T-4.0B	9.5	0-600	230-800	5	600-750	4.0
PV500-4T-5.5B	13	0-600	230-800	6.9	600-750	5.5
PV500-4T-7.5B	17	0-600	230-800	9.4	600-750	7.5
PV500-4T-011B	25	0-600	230-800	13.8	600-750	11
PV500-4T-015B	32	0-600	230-800	18.8	600-750	15
PV500-4T-018B	37	0-600	230-800	23.2	600-750	18.5
PV500-4T-022B	45	0-600	230-800	27.5	600-750	22
PV500-4T-030B	60	0-600	230-800	37.5	600-750	30
PV500-4T-037	75	0-600	230-800	46.3	600-750	37
PV500-4T-045	91	0-600	230-800	56.3	600-750	45
PV500-4T-055	112	0-600	230-800	68.8	600-750	55
PV500-4T-075	150	0-600	230-800	93.8	600-750	75
PV500-4T-090	176	0-600	230-800	112.5	600-750	90
PV500-4T-110	210	0-600	230-800	137.5	600-750	110
PV500-4T-132	253	0-600	230-800	165	600-750	132
PV500-4T-160	304	0-600	230-800	200	600-750	160
PV500-4T-185	350	0-600	230-800	231.3	600-750	185
PV500-4T-200	377	0-600	230-800	250	600-750	200