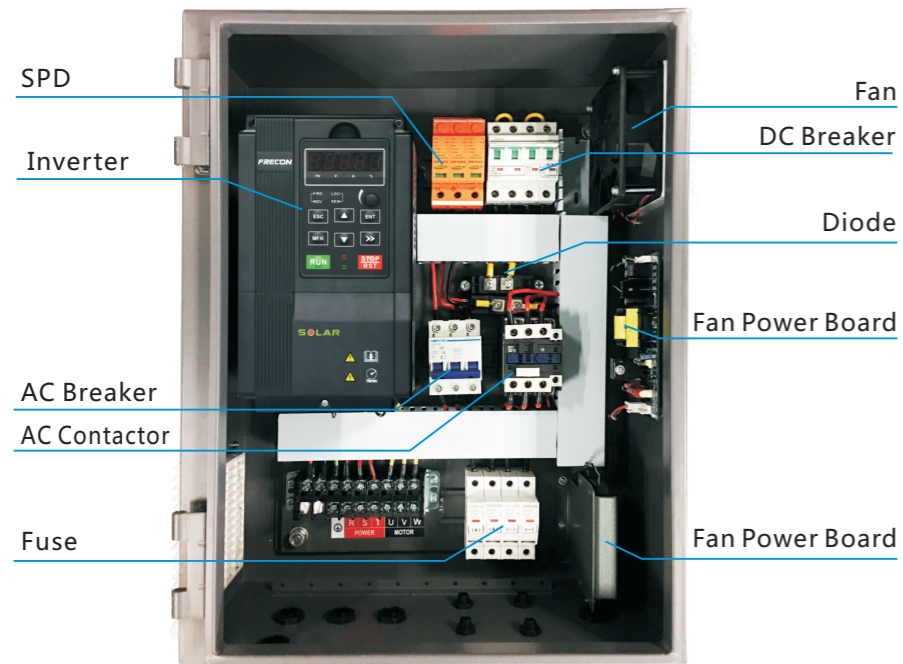


## SPV IP54 Cabinet



## 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			

# FRECON



## PV150&500 Solar Pumping Inverter



**FRECON**

FRECON ELECTRIC (SHENZHEN) CO.,LTD

Add : 2nd, No.3 Zhenbao Industrial Zone, No.137 Shiyan Road, Shiyan Street, Baoan District Shenzhen, China

Tel : 0755-33067999

Fax : 0755-33067186

E-Mail:overseas@frecon.com.cn

[Http://www.frecon.com.cn](http://www.frecon.com.cn)



Website

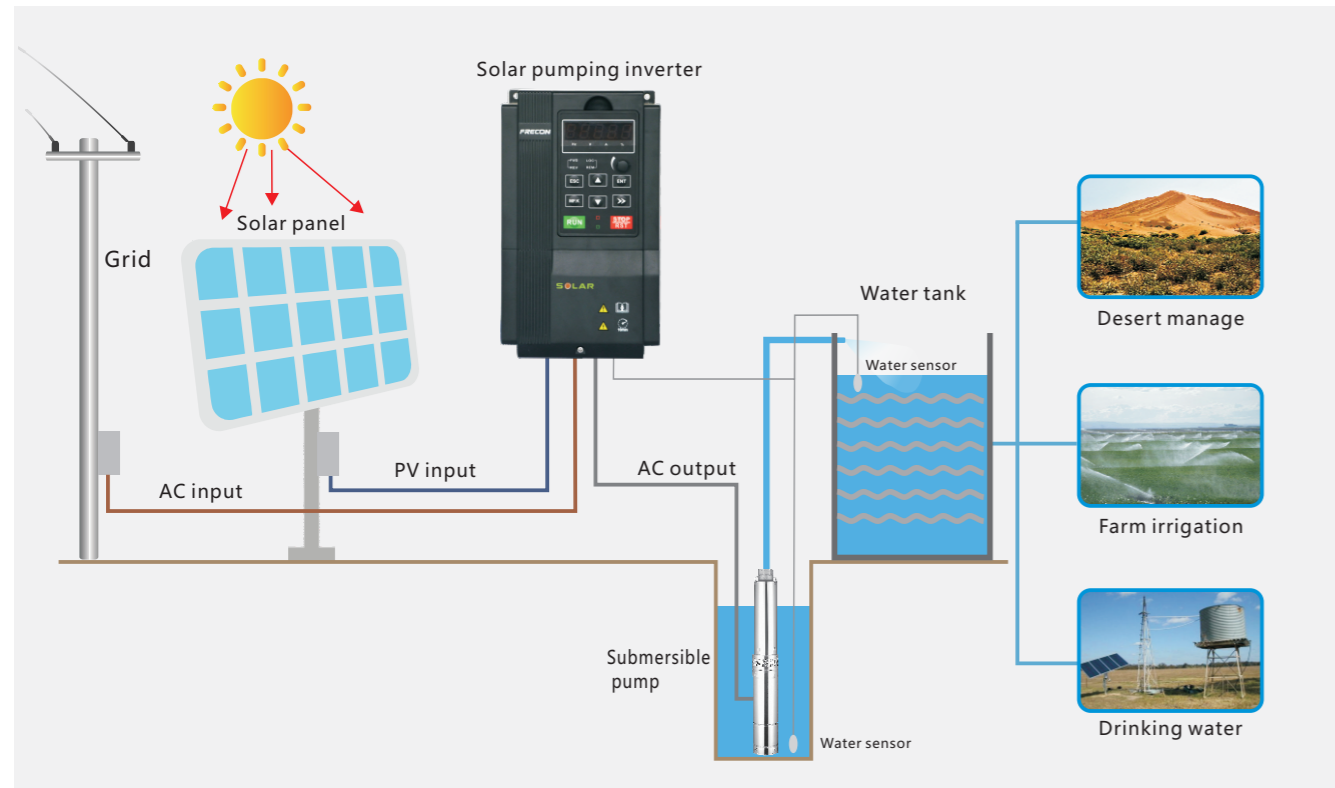
WeChat

201904(V1.0)



FRECON ELECTRIC (SHENZHEN) CO.,LTD.

**Solar Pumping System Diagram**



**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

**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