

PV580 Series

Solar Pump Inverter



FRECON

Technical specifications

Model	PV580-2S-0.4-H	PV580-2S-0.7-H	PV580-2S-1.5-H	PV580-2S-2.2-H	PV580-2S-3.0-H
PV input					
DC Max Input Voltage	450V				
Recommended MPPT voltage	100V-400V		360V-430V		
DC Max Input Current	15A	15A	30A	30A	30A
Max MPPT Efficiency	>99%				
Number of string	1				
AC Input					
Voltage	200-260VAC(1PH)				
Frequency	50/60Hz(±3%)				
AC Output					
Max Motor Output	0.4kW	0.7kW	1.5kW	2.2kW	3.0kW
Rated Output Voltage	220/230VAC(1PH/3PH)				
Output Frequency range	0-50/60Hz				
Rated Output Current (Single Phase)	4.2A	7.5A	10.5A	15A	17A
Rated Output Current (Three Phase)	2.5A	4.2A	7.5A	9.5A	13A
System					
Protection Grade	IP65				
Operating Temperature	-25~60℃				
Cooling Way	Natural cooling				
Display	LCD				
Communication	RS485,4G or WIFI				
Altitude	3000m, above 3000m need to derate the operation				
Noise Emission	<50dB				
Compliance	EN50178, IEC/EN62109-1, IEC61800				
Dimension	280*440*150 (W*H*D,mm)				
Package Dimension	360*520*233 (W*H*D,mm)				
Net weight/Gross weight (kg)	11.4/12.6				

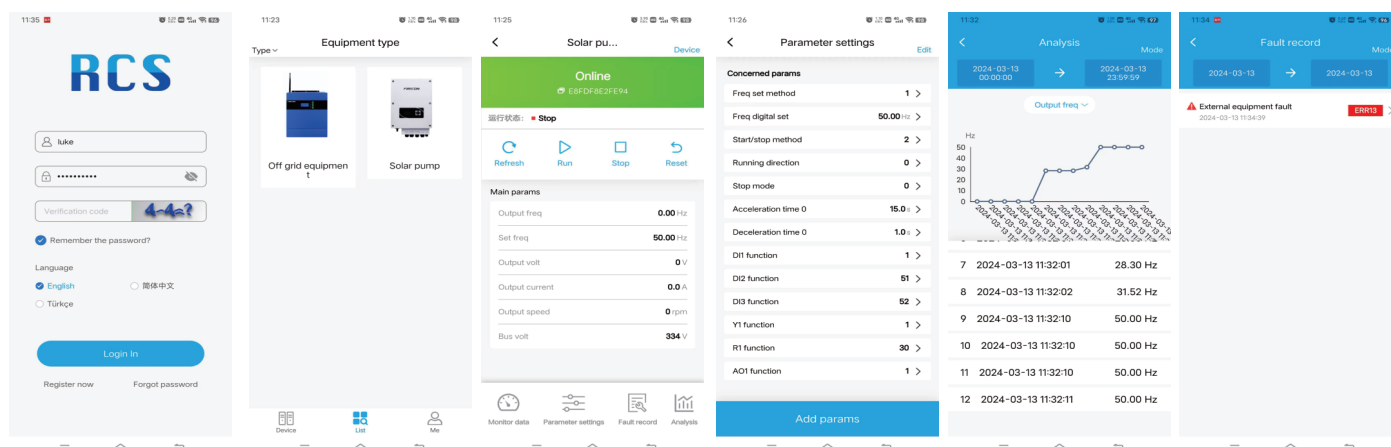
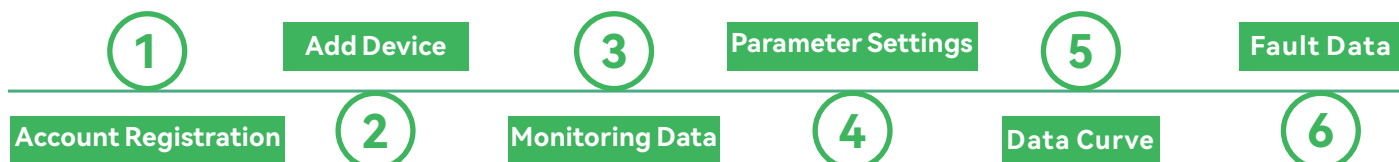
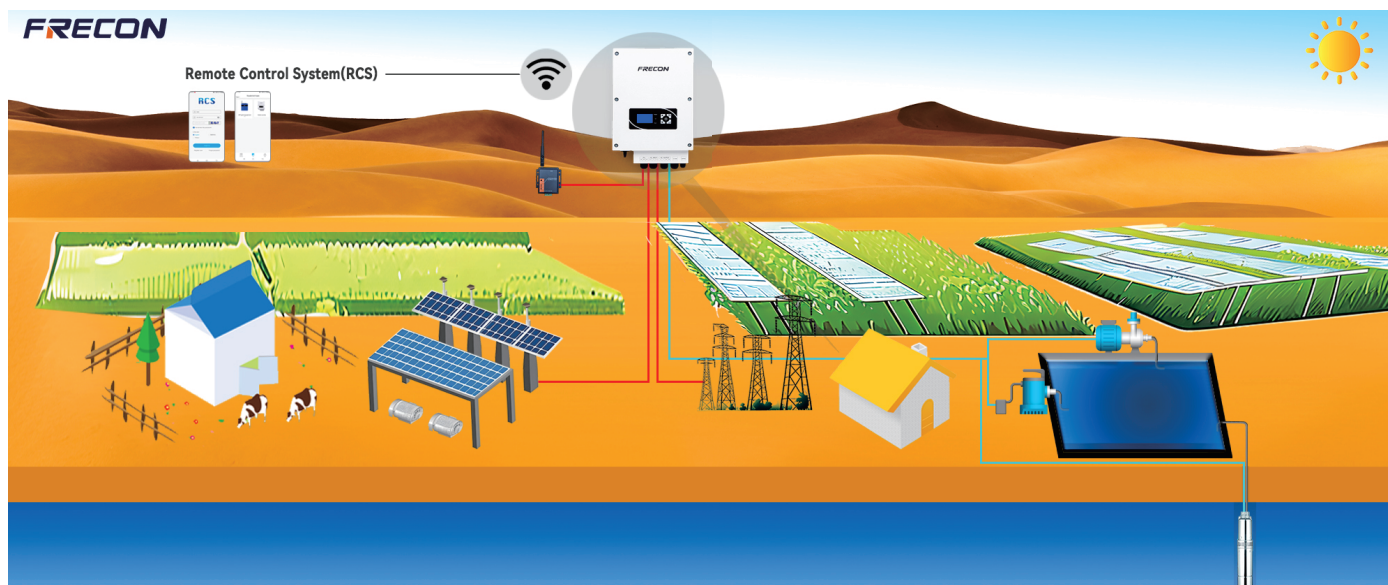
Technical specifications

Model	PV580-4T- 2.2-H	PV580-4T- 4.0-H	PV580-4T- 5.5-H	PV580-4T- 7.5-H	PV580-4T- 011-H	PV580-4T- 015-H	PV580-4T- 018-H	PV580-4T- 022-H
PV input								
DC Max Input Voltage	900V							
Recommended MPPT voltage	450V-850V							
DC Max Input Current	15A	15A	30A	30A	37A	48A	55A	67A
Max MPPT Efficiency	>99%							
Number of string	1							
AC Input								
Voltage	360-460VAC(3PH)							
Frequency	50/60Hz(±3%)							
AC Output								
Max Motor Output	2.2kW	4.0kW	5.5kW	7.5kW	11kW	15kW	18.5kW	22kW
Rated Output Voltage	380-460VAC(1PH/3PH)							
Output Frequency range	0-50/60Hz							
Rated Output Current	5.5A	9.5A	13A	17A	25A	32A	37A	45A
System								
Protection Grade	IP65							
Operating Temperature	-25~60℃							
Cooling Way	Natural cooling				Forced air cooling			
Display	LCD							
Communication	RS485,4G or WIFI							
Altitude	3000m, above 3000m need to derate the operation							
Noise Emission	<50dB							
Compliance	EN50178, IEC/EN62109-1, IEC61800							
Dimension	280*440*150 (W*H*D,mm)				340*539*187 (W*H*D,mm)			
Package Dimension	360*520*233 (W*H*D,mm)				450*650*305 (W*H*D,mm)			
Net weight/Gross weight (kg)	11.4/12.6				19.8/22.6			

Technical specifications

Model	PV580-4T-030-H	PV580-4T-037-H	PV580-4T-045-H	PV580-4T-055-H	PV580-4T-075-H	PV580-4T-090-H	PV580-4T-110-H
PV input							
DC Max Input Voltage	900V						
Recommended MPPT voltage	450V-850V						
DC Max Input Current	90A	112A	136A	168A	232A	275A	338A
Max MPPT Efficiency	>99%						
Number of string	1						
AC Input							
Voltage	360-460VAC(3PH)						
Frequency	50/60Hz(±3%)						
AC Output							
Max Motor Output	30kW	37kW	45kW	55kW	75kW	90kW	110kW
Rated Output Voltage	380-460VAC(1PH/3PH)						
Output Frequency range	0-50/60Hz						
Rated Output Current	60A	75A	91A	112A	150A	176A	210A
System							
Protection Grade	IP65						
Operating Temperature	-25~60℃						
Cooling Way	Forced air cooling						
Display	LCD						
Communication	RS485,4G or WIFI						
Altitude	3000m, above 3000m need to derate the operation						
Noise Emission	<50dB						
Compliance	EN50178, IEC/EN62109-1, IEC61800						
Dimension	520*550*240 (W*H*D,mm)			660*700*313 (W*H*D,mm)			
Package Dimension	550*830*387 (W*H*D,mm)			735*765*530 (W*H*D,mm)			
Net weight/Gross weight (kg)	33.7/37.3			49/70.4			

Remote Control System(RCS)



Features

- ▷ Monitor all devices in real time
- ▷ Can start, stop and reset the devices via the APP and Web
- ▷ Read and change the device's parameters
- ▷ Check the device's fault record
- ▷ Check monitoring parameters' data changing curves
- ▷ Check the location of the device
- ▷ Monitor the device's generated power and water yield

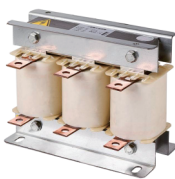
Optional accessories



Breaker



WIFI Module



Filter



SPD



4G Module



Reactor

Applications



PV580-4T-7.5 in Turkey



PV580-4T-5.5 in Afghanistan



PV580-4T-055 in Peru



PV580-4T-045 in Saudi Arabia



PV580-4T-4.0 in Kenya



PV580-4T-075 in Yemen



PV580-4T-022 in Brazil



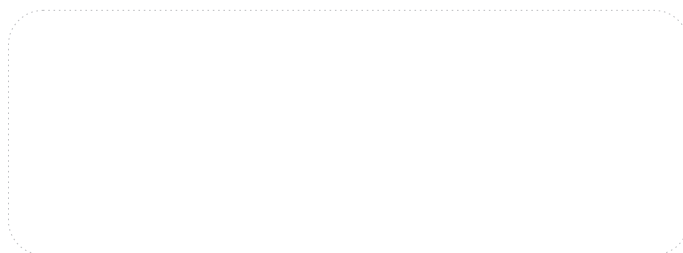
PV580-4T-7.5 in Myanmar



PV580-4T-011 in South Africa



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