

FR580 Series

High Protection Inverter



FRECON



FR580 Series Summary

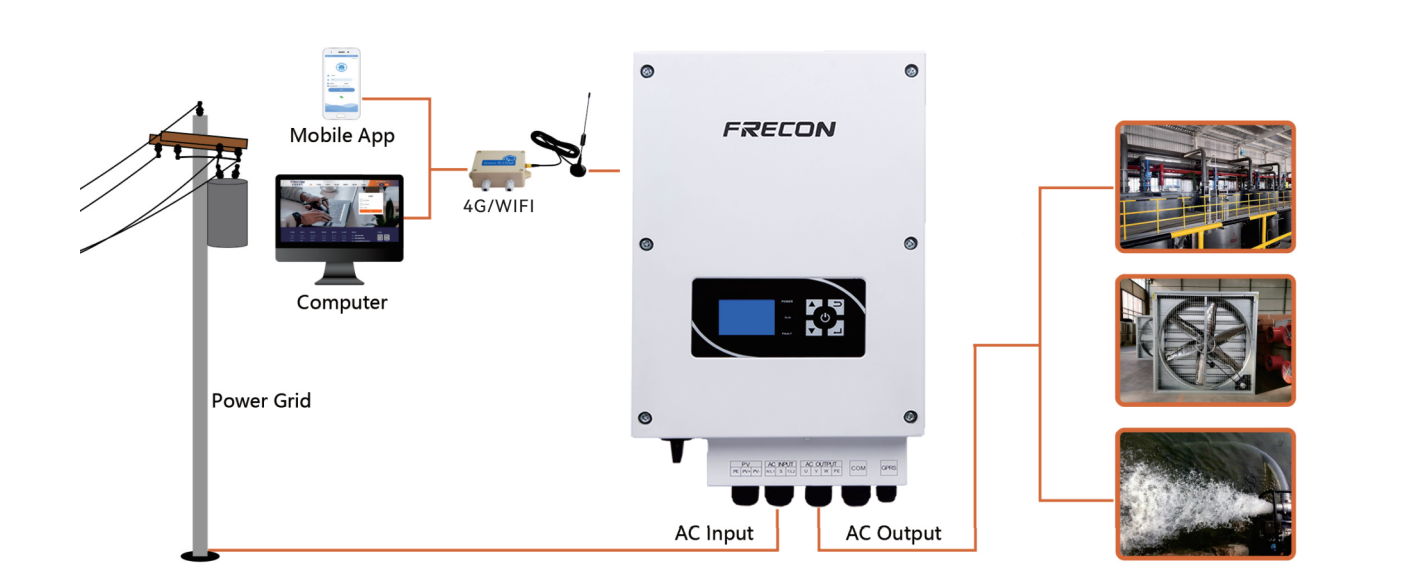
FR580 series is a high-protection inverter with complete protection functions such as overcurrent, overvoltage, overload, undervoltage, and underload. It is widely used outdoors in highly corrosive gas environments.



Features

- IP65 design, outdoor installation
- Natural cooling, low noise (Up to 7.5kW)
- Operating temperature range: -25~60°C
- Supports over-current, over-voltage, output phase loss protection, short circuit, over-heating, etc. protection
- All models can be configured with 4G or WIFI module (Optional) for real-time remote monitoring and operation in mobile APP
- Widely used in various AC asynchronous and synchronous motor
- Suitable for occasions with high requirements for dust and water protection

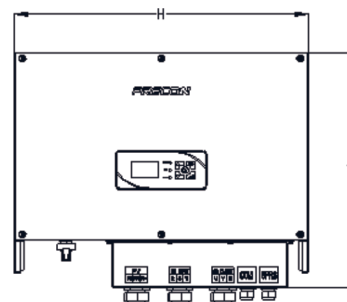
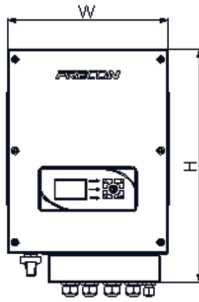
System Diagram



Technical specifications

Model	Power Capacity (KVA)	Rated Input Current (A)	Rated Output Current (A)	Adapter motor	
				kW	HP
Single Phase Power 220V, 50/60Hz -15%~+30%					
FR580-2S-0.4-H	1.0	6.5	2.5	0.37	0.5
FR580-2S-0.7-H	1.5	9.3	4.2	0.75	1.0
FR580-2S-1.5-H	3.0	15.7	7.5	1.5	2.0
FR580-2S-2.2-H	4.0	24.0	9.5	2.2	3.0
FR580-2S-3.0-H	6.0	30.0	13.0	3.0	4.0
Three Phase Power 380V, 50/60Hz -15%~+30%					
FR580-4T-2.2-H	4.0	5.8	5.5	2.2	3.0
FR580-4T-4.0-H	6.0	11.0	9.5	4.0	5.0
FR580-4T-5.5-H	8.9	14.6	13.0	5.5	7.5
FR580-4T-7.5-H	11.0	20.5	17.0	7.5	10.0
FR580-4T-011-H	17.0	26.0	25.0	11.0	15.0
FR580-4T-015-H	21.0	35.0	32.0	15.0	20.0
FR580-4T-0.18-H	24.0	38.5	37.0	18.5	25.0
FR580-4T-022-H	30.0	46.5	45.0	22.0	30.0
FR580-4T-030-H	40.0	62.0	60.0	30.0	40.0
FR580-4T-037-H	57.0	76.0	75.0	37.0	50.0
FR580-4T-045-H	69.0	92.0	91.0	45.0	60.0
FR580-4T-055-H	85.0	113.0	112.0	55.0	70.0
FR580-4T-075-H	114.0	157.0	150.0	75.0	100.0
FR580-4T-090-H	134.0	186.0	176.0	90.0	125.0
FR580-4T-110-H	160.0	220.0	210.0	110.0	150.0

Dimensions



Schematic diagram of product size ($\leq 22\text{kW}$)

Schematic diagram of product size ($\geq 30\text{kW}$)

Model	Appearance and installation dimensions(mm)			N.W (KG)
	W	H	D	
FR580-2S-0.4-H	280	440	150	11.4
FR580-2S-0.7-H				
FR580-2S-1.5-H				
FR580-2S-2.2-H				
FR580-2S-3.0-H				
FR580-4T-2.2-H				
FR580-4T-4.0-H				
FR580-4T-5.5-H	340	538	186	17.5
FR580-4T-7.5-H				
FR580-4T-011-H				
FR580-4T-015-H				
FR580-4T-018-H				
FR580-4T-022-H	500	550	225	35
FR580-4T-030-H				
FR580-4T-037-H				
FR580-4T-045-H				
FR580-4T-055-H				
FR580-4T-075-H	660	700	313	49
FR580-4T-090-H				
FR580-4T-110-H				

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202506 (V1.2)