

VEICHI

SI21 Series Solar Pump Inverter



Multiple protections for pump



Mini size & powerful software



Easy wiring and installation



AC/DC power input

Technical Specification

MODEL		D1	D3	D5
		PV Input		
Input voltage range		60~400V	150~450V	250~780V
Recommended Voc voltage		175~380V	360~430V	620~750V
Maximum MPPT efficiency		up to 99.8%	up to 99.8%	up to 99.8%
		AC Input		
Input voltage range		1PH/3PH 110V	1PH/3PH 220~240V	3PH 380~480V
Input voltage frequency		50/60Hz	50/60Hz	50/60Hz
		Output		
Output voltage range		110~230V	150~230V	230~460V
Output frequency range		0~599Hz	0~599Hz	0~599Hz
Output power range		0.75~1.5kW	0.75~2.2kW	0.75~22kW
Power		Rated output current		
0.75kW		7A	4A	3A
1.5kW		10A	7A	4A
2.2kW		-	10A	5A
4kW		-	-	9.5A
5.5kW		-	-	13A
7.5kW		-	-	17A
11kW		-	-	25A
15kW		-	-	32A
18.5kW		-	-	38A
22kW		-	-	45A
Control Performance				
Motor type		Asynchronous motor, permanent magnet synchronous motor, synchronous reluctance motor		
Control mode		V/F control, open-loop vector control, closed-loop vector control, voltage-frequency separated control		
Overload capacity		150% of rated load for 60s, 180% of overload capacity for 10s, 200% of overload capacity for 0.5s		
System				
Installation		Hitch mounting		
Protection class		IP20		
Working temperature		-10~60℃		
Cooling method		Forced air cooling		
Humidity		20%~95%RH (condensation free)		
Installation environment		Altitude lower than 1000m. Derate 1% for each 100m rise when above 1000m.No condensation, icing, rain, snow, hail, etc., solar radiation below 700W/m2, air pressure 70kPa ~ 106kPa		
Protection				
Common potection	Undervoltage / overvoltage	√	√	√
	Input/output phase loss	√	√	√
	Overload	√	√	√
	Overcurrent	√	√	√
	Drive overheat	√	√	√
	Short circuit between phases and to ground	√	√	√
Specialized protection	Low frequency	√	√	√
	Pump overcurrent	√	√	√
	Dry run	√	√	√
	Min. power	√	√	√
	Overflow	√	√	√
	Sleep protection	√	√	√

