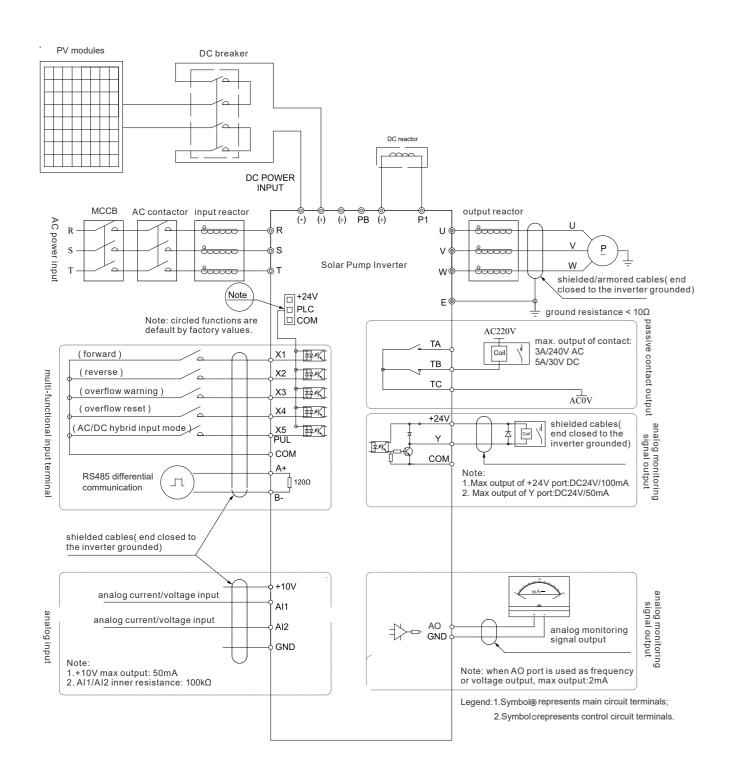
VEICHI

SI30 Series Electric Wiring



SI23 Series Solar Pump Inverter



Product Features

New look, narrow body

- Book-like narrow structure saves up 60% space max.
- New keyboard with simple design appearance simplifies operation.
- European terminals raises wiring efficiency.



Comply With Multiple International Standards Certification

EN 61800/EN 61000/EN IEC 61000 IEC 61683/IEC 62109~1/IEC62109-2





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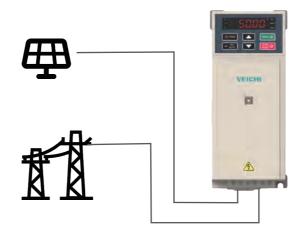
Top algorithm

- Asynchronous, single-phase, permanent magnet synchronous, synchronous reluctance etc. pump motors applicable
- Internationally leading self-learning algorithm with accurate and consistent motion control
- High-bandwidth current vector with 12 times highprecision weak magnetic output



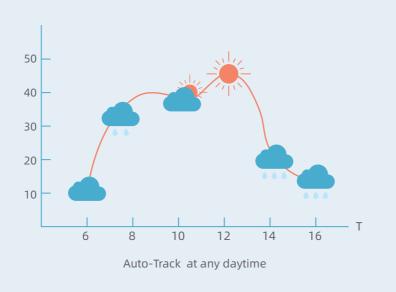
AC/DC hybrid input

When the solar panel power is lower than the set value, solar panel will be switched to the utility power to ensure the normal operation of the system until the solar panel power is restored to the set value, then the utility power will be switched back again to supply power.



Customized photovoltaic functions

- MPPT enables real-time adjustment of the optimal output frequency.
- Complete pump protections extend service life.
- Customized PQ curve offers users cumulative flow and power generation.
- AC/DC hybrid input, timing, and water pump cleaning etc. meet market demands.



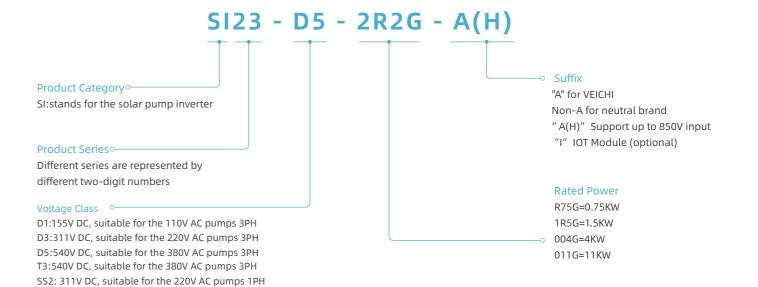
Smart IOT

- Support GPS positioning, WiFi data connection, offline data storage.
- Unattended, real-time, remote control .
- Big data analysis, calculation of cumulative power generation and flow .
- Auto identification of various APN remote data analysis devices and one-key Router connection.



Solar Pump Inverter

SI23 Series Naming Rules

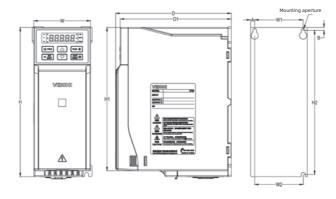


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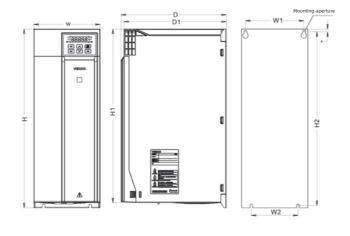
Technical Specification

	MODEL	D1	D3	SS2	D5	T3							
		PV	Input (D5 and T3 with su	iffix "H" support up to 85	OV input)								
Input voltag	ne range	60~400V	150~450V	150~450V	250~780V	350~780V							
	ded Voc voltage	175~380V	360~430V	360~430V	620~750V	620~750V							
	-				up to 99.8%								
Maximum iv	1PPT efficiency	up to 99.8%	up to 99.8%	up to 99.8%	up to 99.6%	up to 99.8%							
				AC Input									
Input voltage range		1PH/3PH 110V	1PH/3PH 220V~240V	1PH/3PH 220V~240V	3PH 380~480V	3PH 380~480V							
Input voltage frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz							
				Output									
Output volta	age range	110~230V	150~230V	150~230V	230~460V	230~460V							
Output frea	uency range	0~600Hz	0~600Hz	0~600Hz	0~600Hz	0~600Hz							
Output pow		0.75~1.5kW	0.75~55kW	0.75~55kW	0.75~30kW	37~500kW							
output port	Power	0.75 1.5kW		output current		37 300111							
	Power	7.0		•									
0.75kW		7A	4A	7A	3A	-							
1.5kW		10A	7A	10A	4A	-							
2.2kW		-	10A	16A	6A	-							
4kW		-	16A	30A	10A	-							
5.5kW		-	20A	42A	13A	-							
7.5kW		-	30A	55A	17A	-							
11kW		_	42A	-	25A	-							
		-				-							
15kW			55A	-	32A								
18.5kW		-	70A	-	38A	-							
22kW		-	80A	-	45A	-							
30kW		-	110A	-	60A	-							
37kW		-	130A	-	-	75A							
45kW		-	160A	_	-	90A							
55kW		_	200A	_	_	110A							
75kW		-	-	-	-	150A							
90kW		-	-	-	-	180A							
110kW		-	-	-	-	210A							
132kW		-	-	-	-	250A							
160kW		-	-	-	-	310A							
185kW		_	-	-	_	340A							
200kW		_	-	-	_	380A							
ZOOKVV			Contro	ol Performance									
Motor type		Asynchronous motors Permanent magnet synchronous motor Synchronous	Asynchronous motors Permanent magnet synchronous motor Synchronous	Single phase motor	Asynchronous motors Permanent magnet synchronous motor Synchronous reluctance motor	Asynchronous moto Permanent magne synchronous moto Synchronous							
		reluctance motor	reluctance motor		1.	reluctance motor							
Control mod	de	V/F contro	ol, open-loop vector cont	rol, closed-loop vector co	ntrol, voltage-frequency separat	ed control							
Overload ca	apacity	150% 0	f rated load for 60s, 1809	6 of overload capacity for	10s, 200% of overload capacity f	for 0.5s							
				System	, , , , , , , , , , , , , , , , , , , ,								
Installation			Н	itch mounting									
Protection c	lass			IP20									
Working ten	nperature	-10~60°C											
Cooling me	thod	Forced air cooling											
				-									
Humidity		20%-95%RH (condensation free)											
Humidity		A105 1 1 1											
	environment		an 1000m. Derate 1% for	each 100m rise when ab	ove 1000m.No condensation, icir	ng, rain,							
	environment		an 1000m. Derate 1% for now, hail, etc., solar radi	each 100m rise when aboation below 700W/m2, air		ng, rain,							
		S	an 1000m. Derate 1% for now, hail, etc., solar radi	each 100m rise when about the contraction below 700W/m2, air rotection	pressure 70kPa ~ 106kPa								
	environment Undervoltage / overvoltage	S √	an 1000m. Derate 1% foi now, hail, etc., solar radi F	r each 100m rise when abo ation below 700W/m2, air Protection √	pressure 70kPa ~ 106kPa √	J							
nstallation		S	an 1000m. Derate 1% for now, hail, etc., solar radi	each 100m rise when about the contraction below 700W/m2, air rotection	pressure 70kPa ~ 106kPa								
nstallation	Undervoltage / overvoltage	S √	an 1000m. Derate 1% foi now, hail, etc., solar radi F	r each 100m rise when abo ation below 700W/m2, air Protection √	pressure 70kPa ~ 106kPa √	J							
Installation	Undervoltage / overvoltage Input/output phase loss	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	an 1000m. Derate 1% foi now, hail, etc., solar radi ↓ √	e each 100m rise when abo ation below 700W/m2, air protection	pressure 70kPa ~ 106kPa √ √	1							
Installation Common	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent	\display \di	an 1000m. Derate 1% fonow, hail, etc., solar radio	each 100m rise when ab ation below 700W/m2, air rotection	pressure 70kPa ~ 106kPa √ √ √ √ √ √ √ √ √ √ √ √	1							
Installation Common	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat	J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radi. F	each 100m rise when abation below 700W/m2, air Protection	pressure 70kPa ~ 106kPa	\ \ \ \ \ \ \ \ \							
Installation Common	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between	\display \di	an 1000m. Derate 1% fonow, hail, etc., solar radio	each 100m rise when ab ation below 700W/m2, air rotection	pressure 70kPa ~ 106kPa √ √ √ √ √ √ √ √ √ √ √ √	1							
Installation Common	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground	J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radi. F	each 100m rise when abation below 700W/m2, air Protection	pressure 70kPa ~ 106kPa	\ \ \ \ \ \ \ \ \							
Installation Common	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground Low frequency	J J J J J J J J J J J J J J J J J J J	an 1000m. Derate 1% foinow, hail, etc., solar radii	each 100m rise when abation below 700W/m2, air	pressure 70kPa ~ 106kPa	J J J J							
Installation Common potection	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground Low frequency Pump overcurrent	J J J J J J J J J J J J J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radii	each 100m rise when abation below 700W/m2, air		J J J J J							
Common potection	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground Low frequency Pump overcurrent Dryout	J J J J J J J J J J J J J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radio	each 100m rise when abation below 700W/m2, air		1 1 1 1 1 1 1							
Common potection	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground Low frequency Pump overcurrent	S J J J J J J J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radio	each 100m rise when abation below 700W/m2, air		1 1 1 1 1 1 1 1 1 1							
Humidity Installation Common potection Specialized protection	Undervoltage / overvoltage Input/output phase loss Overload Overcurrent Drive overheat Short circuit between phases and to ground Low frequency Pump overcurrent Dryout	J J J J J J J J J J J J J J J J J J J	an 1000m. Derate 1% for now, hail, etc., solar radio	each 100m rise when abation below 700W/m2, air		\frac{1}{\sqrt{1}}							

Plastic model

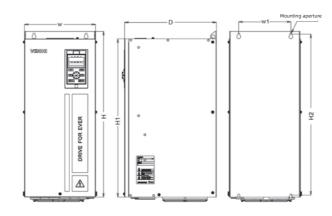


Model	Overall dimension(mm)Installationdimension(mm									Installation	
Model			Н1	D	D1	W1	W2	H2			aperture
SI23-D1-R75G-A		200	192	155	149	65	65	193	5.5	4	M4
SI23-D1-1R5G-A											
SI23-D3-R75G-A											
SI23-D3-1R5G-A	76										
SI23-SS2-R75G-A											
SI23-D5-R75G-A											
SI23-D5-1R5G-A											
SI23-D5-2R2G-A											
SI23-D3-2R2G-A		242	231	155	149	84	86.5	231.5	8	5.5	M4
SI23-D3-004G-A											
SI23-SS2-1R5G-A	100										
SI23-SS2-2R2G-A	100										
SI23-D5-004G-A											
SI23-D5-5R5G-A											
SI23-D3-5R5G-A	116	320	307.5	175		98	100	307.5	9	6	
SI23-SS2-004G-A											
SI23-SS2-5R5G-A					169						M5
SI23-D5-7R5G-A											
SI23-D5-011G-A											



Model	Overall dimension(mm) Installation dimension(mm)										Installation
Modet			H1	D	D1	ı W	1 N	/2 H2			aperture
SI23-D3-7R5G-A	142	383	372				10 105			6	M5
SI23-D3-011G-A											
SI23-SS2-7R5G-A				225	.	210		100	372		
SI23-D5-015G-A				225	· ·	219 12	125	25 100			
SI23-D5-018G-A											
SI23-D5-022G-A											
SI23-D3-015G-A	172	430	/			219	150		416.5	7.5	M5
SI23-D3-018G-A											
SI23-D3-022G-A				225	5			150			
SI23-D5-030G-A											
SI23-T3-037G-A											

Steel model



Model	0\		imensi im)	on	Installation (m	Installation	
riodet		Н	Н1	D	W1	H2	aperture
SI23-D3-030G-A		560	535	310	176	544	М6
SI23-D3-037G-A	240						
SI23-D3-045G-A							
SI23-T3-045G-A							
SI23-T3-055G-A							
SI23-T3-075G-A							
SI23-D3-055G-A	270	638	580	350	195	615	M8
SI23-T3-090G-A							
SI23-T3-110G-A							
SI23-T3-132G-A	250	738	680	405	220	715	M8
SI23-T3-160G-A	350						
SI23-T3-185G-A	360	940	850	480	200	914	M16
SI23-T3-200G-A	300						