

GG-SPI Series

Solar Pump Inverter



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SPI



SPI-2s

Identification Codes

SPI - 2S - 2.2

Out put power 2.2kw

2S: AC input voltage single phase,output single/three phase(220-240V)

2T:AC input/output voltage three phase(220-240V)

4T:AC input/output voltage three phase (380-415V)

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Reliability

- Smart IGBT module integrated to simplify system design, reduce board space, simplify the manufacturing process and thus improved reliability
- Multi Built-in Protection: Lightning protect, Over/Low Voltage protect, Locked rotor protect, Output phase loss protect, Short-circuit protect, Dry-run protect (Need level sensor), Full tank protect (Need level sensor)
- 28 years pumping solution experience ensure product stability and quality level
- Soft start to prevent water hammer and increase system life

Cost Saving

- Easy installation & Low installation cost
- Easy maintenance & Low maintenance cost
- MPPT Function get high efficiency
- Save grid electricity costs

Flexibility

- Compatible with IEC 3-phase or 1~phase asynchronous motor
- Compatible with popular solar arrays
- Compatible with grid main supply
- Compatible with AC power or generator

Features

- MPPT Function: Self-adaptive power point tracking technology with up to 99% efficiency
- Self-adaptation to the pump motor
- Automatically output speed adjustment
- Compatible with both AC and DC Input
- Remote monitoring function optional



Technical Data (1.5kW-4kW) (AC Input: 1-phase ; AC Output: 1~3-phase)

Model		SPI-2S-1.5	SPI-2S-2.2	SPI-2S-3.0	SPI-2S-4.0
Input Parameters					
DC	Max. Input Voltage	450V			
	Suggest Input Range	280-350Vmp			
	Adapted pump power	0.75kW	1.1kW	1.5kW	2.2kW
	Max. Current	8.2A	23A	32A	35A
AC	Input Parameters	220-240V AC Single-phase			
Output Parameters					
Output Power (kw)		1.5kW	2.2kW	3kW	4kW
Output Voltage		0-220/240V AC Single/Three Phase			
Output Current (A)		7.5A	10A	13.5A	17A
Output Frequency		0-50Hz / 60Hz			
Other Parameters					
Enclosures Class		IP20			
Environment Temperature		-10℃ ~+45℃			
Humidity		<85%R.H. No Condensation			
Package Info. (L*W*H)		170*85*139mm	195*98*153mm	195*98*153mm	245*124*172mm
Package Info. (GW)		1.2kg	1.6kg	1.6kg	2.9kg
Certificate		IEC/EN61800-5-1, IEC/EN61800-3, IEC/EN61000, CE			



Technical Data (4kW-7.5kW) (AC Input: 3-phase ; AC Output: 3-phase)

Model		SPI-2T-4.0	SPI-2T-5.5	SPI-2T-7.5
Input Parameters				
DC	Max. Input Voltage	450V		
	Suggest Input Range	280-350Vmp		
	Adapted pump power	3kW	4kW	5.5kW
	Max. Current	20.5A	26A	35A
AC	Input Parameters	220-240V AC Single-phase		
Output Parameters				
Output Power (kw)		1.5kW	2.2kW	4kW
Output Voltage		0-220/240V AC Three Phase		
Output Current (A)		17A	25A	33A
Output Frequency		0~50Hz / 60Hz		
Other Parameters				
Enclosures Class		IP20		
Environment Temperature		-10℃ ~+45℃		
Humidity		<85%R.H. No Condensation		
Package Info. (L*W*H)		150*333*216mm		
Package Info. (GW)		6.6kg		
Certificate		IEC/EN61800-5-1, IEC/EN61800-3, IEC/EN61000, CE		



Technical Data (1.5kW-18.5kW) (AC Input: 3-phase ; AC Output: 3-phase)

Model		SPI-4T-1.5	SPI-4T-2.2	SPI-4T-4.0	SPI-4T-5.5	SPI-4T-7.5	SPI-4T-011	SPI-4T-015	SPI-4T-018	SPI-4T-022
Input Parameters										
DC	Max. Input Voltage	900V								
	Suggest Input Range	450-600Vmp								
	Adapted Pump Power	1.1kW	1.5kW	2.2/3kW	4kW	5.5kW	7.5/9.2kW	11/13kW	15kW	18.5kW
	Max. Current	5A	5.8A	10.5A	14.6A	20.5A	26A	35A	38.5A	46.5A
AC	Input Parameters	380/400/415V AC Three-phase								
Output Parameters										
Output Power(KW)		1.5kW	2.2kW	4.0kW	5.5kW	7.5kW	11kW	15kW	18.5kW	22kW
Output Voltage(V)		380/400/415V AC Three-phase								
Output Current(A)		3.7A	5.0A	10.0A	13A	17A	25A	33A	38A	46A
Output Frequency		0-50Hz/60Hz								
Other Parameters										
Enclosures Class		IP20								
Environment Temperature		-10℃ ~+45℃								
Humidity		<85%R.H. No Condensation								
Package Info. (L*W*H)		218*128*180mm		233*143*215mm		150*333*216mm			180*383*218mm	
Package Info. (GW)		1.2kg		1.6kg		5.8kg			9.5kg	
Certificate		IEC/EN61800-5-1, IEC/EN61800-3, IEC/EN61000, CE								



Model		SPI-4T-30	SPI-4T-37	SPI-4T-45	SPI-4T-55	SPI-4T-75	SPI-4T-90	SPI-4T-110	SPI-4T-132
Input Parameters									
DC	Max. Input Voltage	900V							
	Suggest Input Range	450-600Vmp							
	Adapted Pump Power	22/26kW	30kW	37kW	45kW	55kW	63/75kW	90kW	110kW
	Max. Current	62A	76A	92A	113A	157A	180A	214A	256A
AC	Input Parameters	380/400/415V AC Three-phase							
Output Parameters									
Output Power(KW)		30kW	37kW	45kW	55kW	75kW	90kW	110kW	132kW
Output Voltage(V)		380/400/415V AC Three-phase							
Output Current(A)		60A	75A	90A	112A	150A	176A	210A	253A
Output Frequency		0-50Hz/60Hz							
Other Parameters									
Enclosures Class		IP20							
Environment Temperature		-10℃ ~+45℃							
Humidity		<85%R.H. No Condensation							
Package Info. (L*W*H)		175*435*258mm			265*670*358mm		305*845*358mm		
Package Info. (GW)		13.6kg			28.5kg		57.5kg		
Certificate		IEC/EN61800-5-1, IEC/EN61800-3, IEC/EN61000, CE							