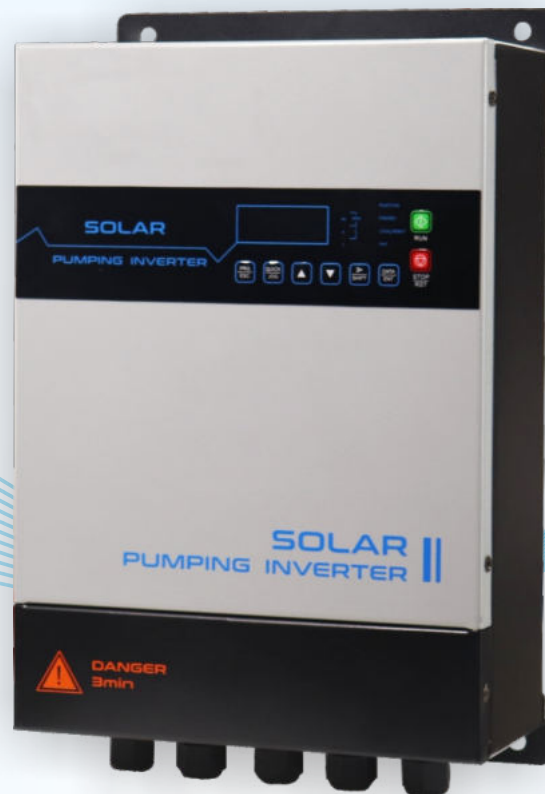


# SOLAR PUMPING INVERTER



Low Frequency | UPS function | 3 intelligent mode

SPC-Series



## The advantage of solar pumping inverter:

1. MPPT function, even it is cloudy, pump still can maintain low speed running.
2. AC input compensation function. such as solar power 80%, inverter will use 20% from AC input to supply 100% to water pump, solar power is 100%, inverter will not use AC input, save AC cost.
3. no water sensor function, water tank full sensor function
4. widely PV working voltage 150VDC to 400VDC.

# WIRING DIAGRAM



# PARAMETER

Model	L11	L13	L33	H33
AC input voltage (V)	220(-15%)~240(+10%) (1PH)		220(-15%)~240(+10%) (3PH)	380(-15%)~440(+10%) (3PH)
Max. DC input voltage (V)	440	440	440	800
Start-up voltage (V)	200	200	200	300
Lowest working voltage (V)	150	150	150	250
Recommended DC input voltage range (V)	200~400	200~400	200~400	300~750
Recommended MPPT voltage (V)	330	330	330	550
Rated output voltage (V)	220 ( 1PH )	220 ( 3PH )	220 ( 3PH )	380 ( 3PH )
Output frequency range (Hz)	0~400			
MPPT efficiency	99%			
Environment temperature	-10°C~+50°C, If above 40°C, derate 2% for every additional 1°C.			
Altitude	Below 1000m, If above 1000m, derate 1% for every additional 100m.			
Cooling manner	Fan cooling			

Series	Model	Rated output power (kW)	Rated input current (A)	Rated output current (A)
L11 (0.4-2.2Kw)	SPC-0K4-L11	0.4	6.5	4.2
	SPC-0K7-L11	0.75	9.3	7.2
	SPC-1K5-L11	1.5	15.7	10.2
	SPC-2K2-L11	2.2	24	14
L13 (0.4-2.2Kw)	SPC-0K4-L13	0.4	6.5	2.5
	SPC-0K7-L13	0.75	9.3	4.2
	SPC-1K5-L13	1.5	15.7	7.5
	SPC-2K2-L13	2.2	24	10
L33 (4-7.5Kw)	SPC-004-L33	4	17	16
	SPC-5K5-L33	5.5	25	20
	SPC-7K5-L33	7.5	33	30
H33 (0.7-37Kw)	SPC-0K7-H33	0.75	3.4	2.5
	SPC-1K5-H33	1.5	5.0	4.2
	SPC-2K2-H33	2.2	5.8	5.5
	SPC-004-H33	4	13.5	9.5
	SPC-5K5-H33	5.5	19.5	14
	SPC-7K5-H33	7.5	25	18.5
	SPC-011-H33	11	32	25
	SPC-015-H33	15	40	32
	SPC-018-H33	18.5	47	38
	SPC-022-H33	22	51	45
	SPC-030-H33	30	70	60
	SPC-037-H33	37	80	75