

SP100 SOLAR PUMPING CONTROLLER



Strong – Strong power and adaptable



Various water pump protection functions

With anti-dry pumping, overload, overcurrent, overvoltage, undervoltage, overheating and other protections.



Wide input voltage range

More flexible configuration of solar panels



Long cable transmission

Support the motor cable length up to 200 meters without reactor.

Stable – Stable quality and excellent performance

- ◆ MPPT efficient $\geq 99\%$
- ◆ Mature and stable motor control algorithm
- ◆ Obtained EU authoritative CE certification
- ◆ Industrial-grade components, adapt to high temperature and severe cold

Saving – Save your money, time and effort



IP66 protection level

- ◆ Low requirements on the installation site, can be directly installed on the solar panel bracket
- ◆ Dust and water proof, no need for distribution cabinet



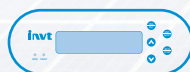
Built-in DC Switch

- ◆ Users don't need to configure additional circuit breakers
- ◆ Power on and off is more convenient and safer

Smart – Smart and flexible configuration



One key operation



LCD screen



Timely start/stop



Multiple IoT configuration schemes

Product model

SP100-5R5-4-T-6-S

Product series SP100: SP100 series solar pump controller

Power range 5R5: 5.5kW

Voltage class

4-T: AC 3PH 380V(-15%)-440V(+10%); DC 220V-900V
 2-T: AC 1PH/3PH 220V(-15%)-240V(+10%); DC 100V-450V
 D4: DC 250V-900V
 D2: DC 150V-450V

Boost module Empty: No built-in boost module
 T: With built-in boost module

Ingress protection (IP) 0: IP00 6: IP66

Product configuration S: Standard

Product configuration

Product model	Output power (kW)	AC input current (A)	PV max. input current (A)	Output current (A)	Outline dimensions WxHxD (mm)
D4: DC250-DC900V					
SP100-2R2-D4-6-S	2.2	\	15	5	252*247*120
SP100-004-D4-6-S	4	\	15	9.5	252*247*120
SP100-5R5-D4-6-S	5.5	\	30	14	270*274*150
SP100-7R5-D4-6-S	7.5	\	30	18.5	270*274*150
SP100-011-D4-6-S	11	\	30	25	298*372*150
SP100-015-D4-6-S	15	\	45	32	298*372*150
SP100-018-D4-6-S	18.5	\	45	38	298*372*150
D2: DC150-450V					
SP100-2R2-D2-6-S	2.2	\	15	10	252*247*120
4-T: AC 3PH 380V(-15%)-440V(+10%); DC 220V-900V					
SP100-2R2-4-T-6-S	2.2	5.8	15	5.5	298*372*150
SP100-004-4-T-6-S	4	13.5	15	9.5	298*372*150
2-T: AC 1PH/3PH 220V(-15%)-240V(+10%); DC 100V-450V					
SP100-0R7-2-T-6-S	0.75	9.3	15	7.2	298*372*150
SP100-1R5-2-T-6-S	1.5	15.7	15	10.2	298*372*150
SP100-2R2-2-T-6-S	2.2	24	15	14	298*372*150



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