

SMP 5.5 kW - 15 kW



SOLAR PUMP CONTROLLER



Self-adaptive MPPT algorithm with efficiency up to 99%



Compatible with IEC standard 3 phase asynchronous motor and common PV module



Plug-and-play design, built-in pump protection functions



Built-in smart IGBT module, integrated overvoltage, overload, overheat and dry run protection



Compatible with DC and AC power supply modes, switchable between DC and AC for use



Battery-free design for various application scenarios, easy maintenance

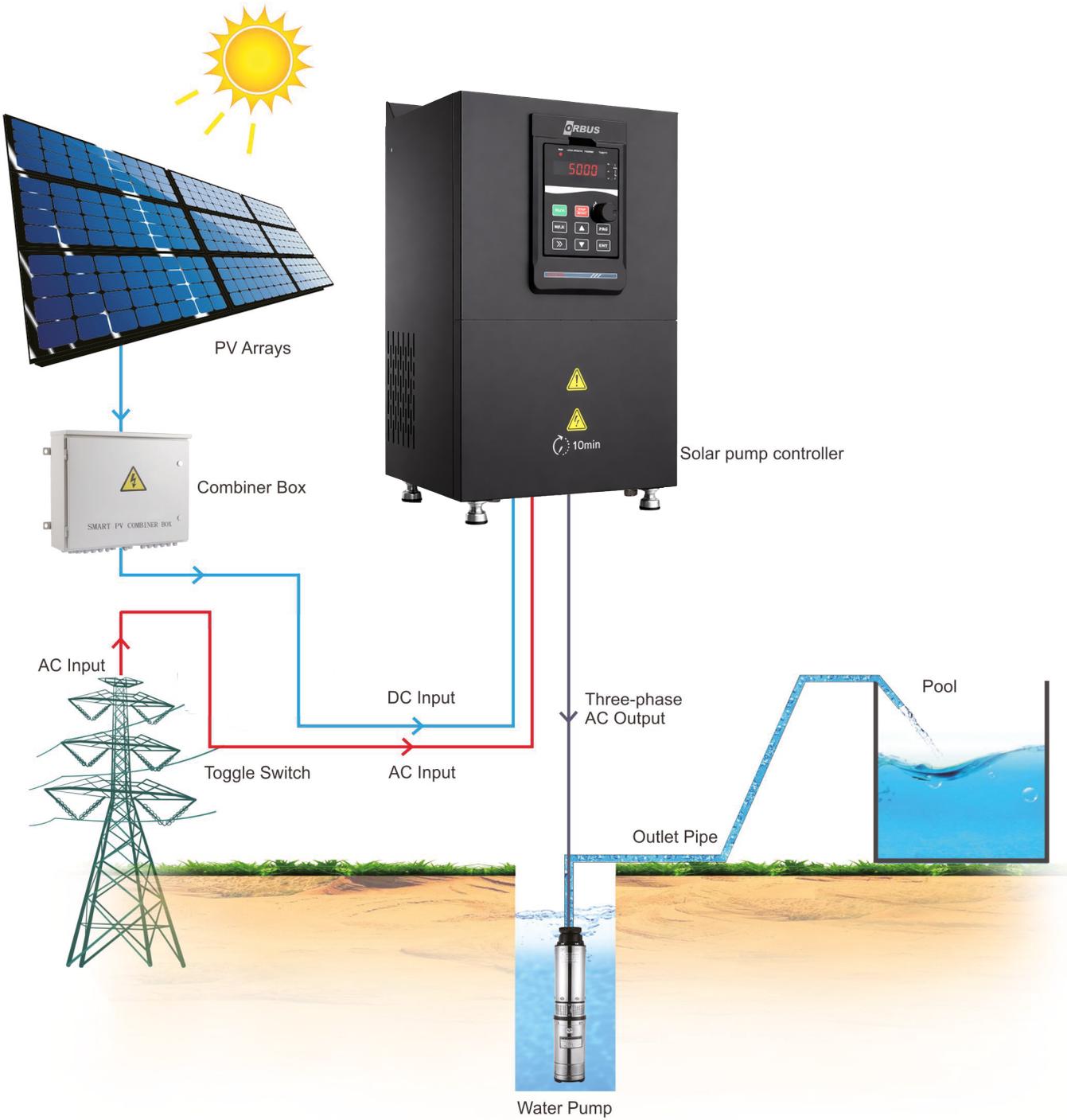


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Model	SMP-3P5K5	SMP-3P7K5	SMP-3P011K	SMP-3P015K
INPUT DATA				
Max Input Voltage (Voc) [V]	900V DC			
Recommended Voltage, at MPPT (Vmp)	500~750V DC			
Recommended PV Array Power [kW]	6.6~8.8	9~12	13.2~17.6	18~24
AC Input Voltage	3 Phase AC 380V(±%15)			
Max AC Current (RMS) [A]	14.6	20.5	26	35
OUTPUT DATA				
Rated Output Power [kW]	5.5	7.5	11	15
Rated Output Voltage	3 Phase AC 380V(±%15)			
Max Output Current (RMS) [A]	13	17	25	32
Output Frequency	0-50Hz/60Hz			
GENERAL DATA				
Dimensions (H*W*D) [mm]	247*130*167		360*182*197	
Gross Weight [kg]	2.6	2.7	7.05	7.15
Ambient Temperature Range	-20°C- 60°C; >45°C, Derating as Required			
Cooling Method	Fan Cooling			
Ambient Humidity	≤ 95%RH			
PROTECTION FUNTION				
Surge Protection	Integrated			
Undervoltage Protection	Integrated			
Open Circuit Protection	Integrated			
Overheated Protection	Integrated			
Locked Pump Protection	Integrated			
Short Circuit Protection	Integrated			
Overvoltage Protection	Integrated			
Dry Run Protection	Integrated			
WARRANTY STANDART				
Standart Warranty [Month]	18			
Certificates	IEC/EN 61800-5-1, IEC/EN61800-2:2004, IEC/EN61800-3:2004,CE			

Note1: Total power of PV array can be 1.2~1.6 times of power of water pump.

Note2: Inductor is suggested to be added when the connection distance between solar pump controller and water pump is over 50m.



Solar Pumping System