

1 ϕ –SOLAR WATER PUMPING SYSTEM WITH MPPT VFD-110V

Technical Specification				
Model		1HP	1.5HP	2HP
	Description			
Input (AC)	Voltage		90V-130V	
	Current	13.60A	20A	27.2A
	Frequency		50-60Hz	
	Phase		1 ϕ	
	Input Under Voltage		80V	
	Input Over Voltage		140V	
	Input Over Current		150%	
Input (SPV)	Minimum Voltage		80V	
	Maximum Voltage		160V	
	MPPT Voltage Range		100-120V	
	MPPT Efficiency		≤ 98%	
Output VFD	Voltage		0-SPV input	
	Current	4.29A	6.6A	8.58A
	Frequency		0-60Hz	
	Phase		3-Phase(U, V, W)	
	Output Power(KWp)	0.75KW	1.1KW	1.5KW
Protections	Dry Run Protection		Required	
	Load Failure detection		Required	
	Output Short-circuit Protection		Required	
	Reverse Polarity of PV		Required	
	Forced Ventilation		Natural Cooling & Fan Required	
	Control Panel(Fabrication Box)		IP20 Required	
	Auto Restart		Under & Over Voltages, Output Short Circuit	
Display	VFD Output Frequency		Displayed in LCD/LED	
	VFD Output Voltage		Displayed in LCD/LED	
	VFD Output Current		Displayed in LCD/LED	
	AC Input Voltage		Displayed in LCD/LED	
	Ac Input Current		Displayed in LCD/LED	
	SPV Input Voltage		Displayed in LCD/LED	
	SPV Input Current		Displayed in LCD/LED	
Motor Specifications	Voltage			
	Current			
	Frequency			
	Cos ϕ			
	RPM			
SPV Module Specifications	Array Power(KWP)	1250W	1500W	2000W
	Module(WP)	250W-5NO'S	250W-6 NO'S	250W-8 NO'S
	Voc(Total)	180V	216V	288V
	Vmp(Total)	150V	180V	240V
	Imp	8.33A	8.33A	8.33A
Overall	Temperature		0-50°C	
	Humidity		0-95% Non Condensing	
	Dimensions (LxWxH)mm			
	Weight			

*** Due to Continuous Development Specifications is Subject to Change without Notice.