

Solar Pump Solution



MPPT Technology

Suitable for all types of pumps

Consistent performance

SOLAR PUMP CONTROLLER - 2HP to 10HP

SN	SPECIFICATION	MIN	TYP	MAX	UNIT
1	Input Voltage from PV	150	350	450	VDC
2	Input Power	400 x HP	750 x HP	1000 x HP	W
3	Motor Type	Asynchronous / Induction / Synchronous motor			
4	Output Voltage – R / Y / B	100	-	330	VAC
5	Output Current Per Phase	1.5 x HP			A
6	Output Frequency	18 to 50			Hz
7	PROTECTIONS a. Input Low & High b. Overload c. Output Short d. Any Output Phase Open e. Dry Run (Optional)				
8	OPERATIONAL MODE a. Auto b. Manual				
9	CONTROLS & SWITCHES a. Pump ON b. Pump OFF c. Water Force Adjustment (Optional)				
10	LED / Visual Alarms in Front Panel a. Pump ON b. Overload c. Output Short d. Phase Open				
11	DISPLAY (Optional) 2 x 16 Character LCD Display				
12	REMOTE MONITORING (Optional) SMS on preprogrammed mobile in local languages				
13	CONNECTORS a. 2-Pin Plug-in / Screw Type connector for PV input b. 3-Pin Plug-in / Screw Type connector for AC 3-Phase Motor				
14	COOLING METHOD Force Air Cooling				
15	ENVIRONMENTAL CONDITIONS a. Operational Temperature : -20 °C to 60 °C b. Storage Temperature : -40 °C to 80 °C c. Humidity : up to 95% RH				
16	ALTITUDE Maximum 11500 feet.				
17	MECHANICAL a. Cabinet Type : Outdoor, Wall Mounting. b. Dimension : D=200, L=350, H=450 MM c. Weight : 12 ~ 18 Kg				

SOLAR PUMP CONTROLLER - 1HP

SN	SPECIFICATION	MIN	TYP	MAX	UNIT
1	Input Voltage from PV	100	120	200	VDC
2	Input Power	400	750	1000	W
3	Motor Type	Asynchronous / Induction / Synchronous motor			
4	Output Voltage – R / Y / B	100	-	330	VAC
5	Output Current Per Phase	1.5			A
6	Output Frequency	18 to 50			Hz
7	PROTECTIONS <ul style="list-style-type: none"> a. Input Low & High b. Overload c. Output Short d. Any Output Phase Open e. Dry Run (Optional) 				
8	OPERATIONAL MODE <ul style="list-style-type: none"> a. Auto b. Manual 				
9	CONTROLS & SWITCHES <ul style="list-style-type: none"> a. Pump ON b. Pump OFF c. Water Force Adjustment (Optional) 				
10	LED / Visual Alarms in Front Panel <ul style="list-style-type: none"> a. Pump ON b. Overload c. Output Short d. Phase Open 				
11	DISPLAY (Optional) 2 x 16 Character LCD Display				
12	REMOTE MONITORING (Optional) SMS on preprogrammed mobile in local languages				
13	CONNECTORS <ul style="list-style-type: none"> a. 2-Pin Plug-in / Screw Type connector for PV input b. 3-Pin Plug-in / Screw Type connector for AC 3-Phase Motor 				
14	COOLING METHOD Force Air Cooling				
15	ENVIRONMENTAL CONDITIONS <ul style="list-style-type: none"> a. Operational Temperature : -20 °C to 60 °C b. Storage Temperature : -40 °C to 80 °C c. Humidity : up to 95% RH 				
16	ALTITUDE Maximum 11500 feet.				
17	MECHANICAL <ul style="list-style-type: none"> a. Cabinet Type : Outdoor, Wall Mounting. b. Dimension : D=200, L=350, H=450 MM c. Weight : < 12 Kg 				