

REBEL

AQUAFLEX

SOLAR WATER PUMP INVERTER



FEATURES

- Built-in MPPT solar controller
- Supports single phase or three phase asynchronous motor depending on models
- 2.2KW LS model supports single phase AC input when PV energy is not sufficient
- Built-in full protection and self-diagnosis
- Soft start function prevents water hammer effect and extends system lifecycle
- Comprehensive LEDs and display screen for real-time system status
- Optional remote panel available
- Remote monitoring software via RS-485

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SPECIFICATIONS						
Model	2.2KW LS	2.2KW	7.5KW	11KW	15KW	
Rated Output Power	2200 W (3HP) Supports 0.75-3HP Water Pump		7500 W (10HP) Supports 3-10HP Water Pump	11000 W (15HP) Supports 10-15HP Water Pump	15000 W (15HP) Supports 10-20HP Water Pump	
PV INPUT (DC)						
Maximum DC Voltage	320 VDC / 450 VDC		540 VDC / 800 VDC			
Start-up Voltage	120 VDC		250 VDC			
MPPT Voltage Range	120 VDC ~ 420 VDC		250 VDC ~ 780 VDC			500 VDC ~ 600 VDC
Number of MPP Trackers	1					
AC INPUT						
Input Voltage	220/230/240 VAC (-15% ~ + 10%)		N/A			
Input Frequency	47 Hz ~ 63 Hz		N/A			
OUTPUT						
Nominal Voltage	220/230/240 VAC	3 x 220/230/240 VAC				
Efficiency	> 97%					
Nominal Output Current	14 A	10 A	5 A	15 A	22 A	29 A
Motor Type	Single-phase (default)	Three-phase	Three-phase asynchronous motor			
Frequency Precision	±0.2%					
PROTECTION						
Full Protection	Phase lost, dry pumping, motor locked, weak sunlight, over-voltage, under-voltage, over-current, surge, over-temperature and short-circuit protection					
PHYSICAL						
Dimension, D x W x H (mm)	110 x 230 x 342					205 x 218 x 320
Net Weight (kgs)	5	5.5	6	6.5	6	
IP Protection	IP20					
INTERACE						
Communication Port	RS-232 / RS-485					
ENVIRONMENT						
Humidity	< 95% Relative Humidity (Non-condensing)					
Operating Temperature	-20°C ~ 40°C at 100% full load, 46°C ~ 60°C power derating					

**WELCOME
TO THE
ENERGY
REVOLUTION**

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