

PCE®

P O W E R

WATER PUMP SOLAR INVERTER

2.2KW / 7.5KW / 11KW / 15KW



The 3-phase in 3-phase out solar pump inverter is environmentally friendly with a long lifetime and lower maintenance costs.

- Built-in MPPT solar charger
- Supports single phase or three-phase asynchronous motor depending on models
- Remote monitoring software via RS-485
- 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
- Supports single phase AC input when PV energy is not sufficient
(only for Aspire 2.2KW LS model)

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MODEL	Pump 2.2KW LS	Pump 2.2KW	Pump 7.5KW	Pump 11KW	Pump 15KW
RATED OUTPUT POWER	2200 W(3HP) (supports 0.75~3HP water pump)	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(20HP) (supports 10~20HP water pump)
PV INPUT (DC)					
Nominal DC Voltage / Maximum DC Voltage	320 VDC / 450 VDC		540 VDC / 800 VDC		540 VDC / 800 VDC
Start-up Voltage	120 VDC		250 VDC		
MPPT Voltage Range	120 VDC ~ 420 VDC		250 VDC ~ 780VDC		500 VDC ~ 600VDC
Number of MPP Trackers			1		
AC INPUT					
Input Voltage	220/230/240 VAC (-15% ~ +10%)		N/A		
Input Frequency	47 Hz ~ 63 Hz				
OUTPUT					
Nominal Voltage	220/230/240 VAC	3 x 220/230/240 VAC	3 x 380/400/415/440 VAC		
Efficiency	> 97%		> 97%		
Nominal Output Current	14 A	10 A	5.0 A	15 A	22 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% RH (Non-condensing)				
Operating Temperature	-20°C~45°C at 100% full load, 46°C~60°C power derating				

Product specifications are subject to change without further notice.

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