

Aspire



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

WATER PUMP INVERTER

Aspire Water Pump Solar Inverter Selection Guide

MODEL	Aspire 2.2KWLS		Aspire 2.2KW	Aspire 7.5KW	Aspire 11KW	Aspire 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)
PV INPUT (DC)						
Nominal DC Voltage / Maximum DC Voltage	320 VDC / 450 VDC		540 VDC / 800 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	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	6.5	
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.