

# 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 2.2KW LS		Aspire 2.2KW		Aspire 7.5KW		Aspire 11KW		Aspire 15KW		
<b>RATED OUTPUT POWER</b>	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)		
<b>PV INPUT (DC)</b>											
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										
<b>AC INPUT</b>											
Input Voltage	220/230/240 VAC (-15% ~ +10%)		N/A								
Input Frequency	47 Hz ~ 63 Hz										
<b>OUTPUT</b>											
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%										
<b>PROTECTION</b>											
Full Protection	Phase lost, dry pumping, motor locked, weak sunlight, over-voltage, under-voltage, over-current, surge, over-temperature and short circuit protection										
<b>PHYSICAL</b>											
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										
<b>INTERACE</b>											
Communication Port	RS-232/RS-485										
<b>ENVIRONMENT</b>											
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.