

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
- Optional remote panel available
- Remote monitoring software via RS-485

Aspire Water Pump Solar Inverter Selection Guide

MODEL	Aspire 2.2KW LS		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) (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	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% 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.