

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

Aspire Water Pump Solar Inverter Selection Guide

MODEL	Aspire 2.2KW LS		Aspire 2.2KW		Aspire 7.5KW		Aspire 11KW	
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)	
PV INPUT (DC)								
Nominal DC Voltage / 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 ~ 780VDC					
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 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 motor	Three-phase asynchronous motor	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							
Net Weight (kgs)	5		5.5		6		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.