

Axpert WP Hybrid Inverter



- IP65 waterproof and dustproof design
- Dual outputs only for 4KW and 6KW models
- Wide PV input range
- Built-in communication port for BMS
- Built-in WiFi with APP for remote monitoring
- Built-in feed-in grid function
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle

Axpert WP Hybrid Inverter Selection Guide

MODEL	Expert WP 1.5KW	Expert WP 3KW	Expert WP 4KW	Expert WP 6KW
Rated Power	1500VA/1500W	3000VA/3000W	4000VA/4000W	6000VA/6000W
GRID INPUT				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Output Power	1500W	3000VA/3000W with PV+battery; 2500W with only battery	4000W	6000W
AC Output No.	Single	Single	Dual	Dual
Surge Power	3000VA	6000VA	8000VA	12000VA
Efficiency (Peak)	91%			
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC	48 VDC		
Floating Charge Voltage	27 VDC	54 VDC		
Overcharge Protection	32 VDC	61 VDC		
SOLAR CHARGER & AC CHARGER				
Solar Charger type	MPPT			
Maximum PV Array Power	2400W	3600W	6000W	8000W
Maximum PV Input Current	18A x 1		18A x 2	
Maximum PV Array Open Circuit Voltage	500 VDC			
MPP Range @ Operating Voltage	60 ~ 450 VDC	90 ~ 450 VDC	90 ~ 450 VDC	90 ~ 450 VDC
Nominal PV Voltage	240VDC	320VDC	320VDC	320VDC
Start up Voltage	70VDC	120VDC	120VDC	120VDC
Maixmum Solar Charge Current	50A		60A	80A
Maximum AC Charge Current	50A		60A	80A
Maximum Charge Current	50A		60A	80A
PHYSICAL				
Dimension, D x W x H (mm)	145 x 290 x 370		150 x 315 x 435	
Net Weight (kgs)	10.5	11	14	14
Communication Interface	RS232/RS485(BMS)/WiFi			
LCD Display	2.5" Graphical LCD			
Ingress Protection	IP65			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			
STANDARD				
Compliance Safety	CE, IEC62116, IEC 61727, IEC61683			

Product specifications are subject to change without further notice.