

Axpert IND Hybrid Inverter



- IP54 design
- Built-in feed-in grid function
- Wide PV input range, start from 30VDC for 1.2KW-3.2KW models
- Dual outputs for smart load management for 3.2KW, 5.2KW and 6.5KW models
- Built-in communication port for BMS
- Built-in WiFi with APP for mobile monitoring
- Battery independent design
- Built-in anti-dust kit

Axpert IND Hybrid Inverter Selection Guide

MODEL	Axpert IND 1.2KW	Axpert IND 2.5KW	Axpert IND 3.2KW	Axpert IND 5.2KW	Axpert IND 6.5KW
Rated Power	1200VA/1200W	2500VA/2500W	3200VA/3200W	5200VA/5200W	6500VA/6500W
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	1200W with PV & battery 1000W with battery onl	2500W with PV & battery 2000W with battery only	3200W with PV & battery 3000W with battery only	5200W with PV & battery 5000W with battery only	6500W with PV+Battery; 6000W with Battery only
AC Output No.	Single	Single	Dual Outputs	Dual Outputs	Dual Outputs
Surge Power	2400VA	5000VA	6400VA	10400VA	13000VA
Efficiency (Peak)	90%		91%		
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	54 VDC
Overcharge Protection	16 VDC	31 VDC		63 VDC	66 VDC
SOLAR CHARGER & AC CHARGER					
Solar Charger type	MPPT				
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	500 VDC	500 VDC	500 VDC
Maximum PV Array Power	2000W	3000W	4000W	5500W	8000W(4000W x 2)
Maximum PV Input Current	13 A		18 A	18 A	22A x 2
MPP Range @ Operating Voltage	30 ~ 300 VDC (Min. 60VDC without battery connected)	30 ~ 400 VDC (Min. 60VDC without battery connected)	30 ~ 450 VDC (Min. 60VDC without battery connected)	90~450 VDC (Min. 100VDC without battery connected)	90 ~ 450 VDC
Maixmum Solar Charge Current	90A		110A	90A	120A
Maximum AC Charge Current	70A		90A	90A	100A
Maximum Charge Current	90A		110A	90A	120A
PHYSICAL					
Dimension, D x W x H (mm)	104 x 330 x 414		120 x 372 x 490		142 x 372 x 590
Net Weight (kgs)	9	8.7	11.6	13	14.5
Communication Interface	RS232/RS485(BMS)/WiFi				
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; IEC 62116; IEC 61727				

Product specifications are subject to change without further notice.