

AXPERT
TWIN
PREMIUM +

120A
TRUE MPPT

PV5000
PV7000

AXPERT TWIN 4.2KW & 6.2KW

AXPERT TWIN PREMIUM + HYBRID



KEY SALIENT FEATURES

- ✓ INTRODUCING ORIGINAL DESIGN AND ENGINEERING IN TAIWAN
- ✓ AXPert TWIN PREMIUM PLUS INVERTER SUPPORTS MULTIPLE OPERATION MODES
- ✓ WIDE PV INPUT RANGE, STARTS FROM 30VDC FOR 4.2K
- ✓ MAXIMUM CHARGING CURRENT 120A
- ✓ 100% PURE SINE WAVE SOLAR INVERTER
- ✓ OUTPUT POWER FACTOR 1.0
- ✓ BUILT-IN FEED-IN GRID FUNCTION
- ✓ INVERTER RUNNING WITH & WITHOUT BATTERY
- ✓ BUILT-IN WIFI WITH APP FOR REMOTE MONITORING AND OTA FIRMWARE UPGRADE
- ✓ ADAPTABLE TO MAIN VOLTAGE / GENERATOR POWER
- ✓ CONFORMAL COATING TO PREVENT FROM DUST AND HUMIDITY
- ✓ DUAL AC OUTPUTS FOR SMART LOAD MANAGEMENT
- ✓ COMPATIBLE WITH ALL KINDS OF LITHIUM BATTERIES
- ✓ HIGH PV INPUT VOLTAGE RANGE (30~450 VDC)
- ✓ OVERLOAD & SHORT CIRCUIT PROTECTION
- ✓ MAXIMUM INPUT CURRENT 18A
- ✓ BUILT-IN COMMUNICATION PORT FOR BMS
- ✓ BATTERY EQUALIZATION FUNCTION TO OPTIMIZE BATTERY PERFORMANCE AND EXTEND LIFECYCLE

ORIGINAL

DESIGN & ENGINEERING IN
TAIWAN



BUILT-IN
WIFI MONITORING



(iOS)



(Android)



AVAILABLE ON



ZIEWNIC
Solar Energy

MODEL	AXPERT TWIN - PV5000	AXPERT TWIN - PV7000
Rated Power	4200VA/4200W	6200VA/6200W
AC INPUT	230 VAC	
Voltage	170~280 VAC (For Personal Computer)	
Selectable Voltage Range	90~280VAC (For Home Appliances)	
Frequency Range	50 HZ / 60 HZ (Auto Sensing)	
AC OUTPUT		
AC Voltage Regulation(BATT. MODE)	230 VAC \pm 5%	
Output Power	4200W with PV & Battery 4000W with battery only	6200W with PV & Battery 5000W with battery only
AC Output No.	DUAL	DUAL
Surge Power	8400VA	12400VA
Efficiency (Peak)	93%	
Transfer Time	10ms Typical(MS); 20ms Stapical(Appliances)	
Waveform	Pure Sine Wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	63 VDC
Maximum AC Charge Current	100A	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	450VDC	500VDC
Maximum PV Array Power	5000W	7000W
Maximum PV Input Current	18A	
MPPT Range @ Operation Voltage	90 - 450VDC	90 - 450VDC
Maximum Solar Charge Current	120A	
Maximum AC Charge Current	100A	
Maximum Charge Current	120A	
PHYSICAL		
Dimension D x W x H (mm)	120 X 300 X 440	120 X 300 X 440
Net Weight (Kgs)	09	10
Communication Interface	RS232/RS485(BMS)/WIFI	
PHYSICAL		
Humidity	5% TO 95% RELATIVE HUMIDITY (NON-CONDENSING)	
Operating Temperature	-10°C TO 50°C	
Storage Temperature	-10°C TO 50°C	

Note: Product specifications are subject to change without further notice

