

AXCELL WP+ SERIES

1kVA - 3kVA

TRUE ONLINE UPS
- Single Phase

Features

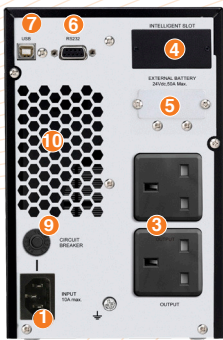
- High Frequency True On Line Double Conversion Technology
- Input Power Factor Correction
- Output Power Factor 0.9
- Wide Input Range (120-300VAC) and Frequency Range (40-70Hz)
- Energy Saving ECO Mode
- Rapid and Stable Charging, 90% Capacity Restored in 4h
- Extend Run time with 1 External Battery Module
- Graphical LCD Display with Comprehensive UPS Information
- Communications and Monitoring with either USB / RS-232 Interface
- Optional SNMP / AS400 cards in the Intelligent Slot
- Generator Compatible

Axcell WP+ Series Rear Panel

- | | |
|--------------------------------|--------------------------|
| 1. 10A AC Input | 6. RS-232 Port |
| 2. 16A AC Input | 7. USB Port |
| 3. BS 1363A | 8. Output Terminal Block |
| 4. Intelligent Slot | 9. Input Circuit Breaker |
| 5. External Battery Connection | 10. Ventilation |



Axcell AX-1KWP+



Axcell AX-1KWP+



Axcell AX-2KWP+



Axcell AX-3KWP+



Axcell AX-2KWP+ / Axcell AX-3KWP+



Axcell WP+ Series 1kVA - 3kVA



AXCELL WP+ SERIES

Technical Specification

MODEL	Axcell AX-1KWP+	Axcell AX-2KWP+	Axcell AX-3KWP+
Phase	Single Phase with Ground		
Capacity*	1000VA / 900W	2000VA / 1800W	3000VA / 2700W
INPUT			
Nominal Voltage	208 / 220 / 230 / 240 VAC		
Voltage Range	120-300 VAC (Based on load at 50%) 180-300 VAC (Based on load at 100%)		
Frequency Range	40 Hz ~ 70 Hz		
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)		
Input Connections	IEC 60320-C13 to BS1363A		IEC 60320-C19 to BS1363A
OUTPUT			
Output Voltage	110 / 115 / 120 / 127 VAC or 208 / 220 / 230 / 240 VAC		
AC Voltage Regulation (Batt. Mode)	±1%		
Frequency Range (Synchronized Range)	47~53 Hz or 57~63 Hz		
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 0.5 %		
Current Crest Ratio	3:01		
Harmonic Distortion	≤ 3%THD (Linear Load) ; ≤ 6%THD (Non-linear Load)		
Output Connections	(2) BS 1363A		(3) BS 1363A + Terminal Block
TOPOLOGY			
Transfer Time	AC Mode to Batt. Mode	0 ms	
	Inverter to Bypass	4 ms (Typical)	
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode	88%	89%	80%
Battery Mode	83%	87%	88%
BATTERIES			
Battery Capacity	12V 9Ah		
DC Voltage	24V	48V	72V
Typical Recharging Time	4 hours recover to 90% capacity		
Charging Current (Max.)	1A		
Charging Voltage	27.4 ± VDC 1%	54.7 ± VDC 1%	82.1 ± VDC 1%
SYSTEM			
LCD Display	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
Audible Alarm	Battery Mode	Sounding every 4 seconds	
	Low Battery	Sounding every seconds	
	Overload	Sounding twice every seconds	
	Fault	Continuously sounding	
COMMUNICATIONS / MANAGEMENT			
Smart RS-232 / USB	Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux and MAC		
Intelligent Slot	SNMP / AS400 Card		
STANDARDS / APPROVALS			
Compliances	CE		
IP Rating	IP 20		
ENVIRONMENT			
Operating Temperature	0°C ~ 40°C		
Relative Humidity	20-90 % (non-condensing)		
Acoustic Level at 1m	≤ 50dB		
PHYSICAL PROPERTIES			
Dimensions (W x D x H)mm	145 x 282 x 220	145 x 397 x 220	190 x 421 x 318
Net Weight (kg)	9.8	17.0	27.6

* Derate capacity to 70% in frequency converter mode when the output voltage is 208VAC.

• Changes to the specification contained in this document, and to prices are reserved; so are errors and omissions.
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- Single Phase