



A large server room with multiple rows of server racks. The racks are illuminated from within, showing numerous blue LED lights. In the foreground, three ALLSAIW-5 PRO UPS units are displayed. These units are tall, black, rack-mountable enclosures with a control panel featuring a small screen and several buttons. A circular badge is positioned in front of the units, containing a stylized mountain peak icon and the words "QUALITY" and "INNOVATION" around it.

ALLSAIW-5 PRO

80KVA ~ 200KVA 3/3

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APPLICATION

- IDC data exchange room
- ISP, computer room
- Bank/bond clearing center
- Industrial process control applications
- Precision instruments and equipment



Main Features

- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50 Hz / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz frequency conversion mode
- Working efficiency up to 98.5% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery number: 32-40 pcs
- Digitally controlled charger (Max.60 A)
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Zero switching time for UPS power supply mode when

- the mains power is unstable, ensuring the output is uninterrupted
- Selectable size LCD colorful touch screen (5 inches and 7 inches), friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery.
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, dry contacts, parallel port
- Optional SNMP card, Wi-Fi card, GPRS card and SMS alarms
- Automatic dust removal function, reduce the risk of PCB corrosion

MODEL	ALLSAIW-5 PRO 80K 3/3	ALLSAIW-5 PRO 100K 3/3	ALLSAIW-5 PRO 120K 3/3	ALLSAIW-5 PRO 160K 3/3	ALLSAIW-5 PRO 200K 3/3			
Power rating	80kVA/80kW	100kVA/100kW	120kVA/120kW	160kVA/160kW	200kVA/200kW			
INPUT								
Rated voltage	380 / 400 / 415 Vac (3Φ + N + PE)							
Voltage range	304~478Vac, full load 228V~304Vac, load decrease linearly according to the min phase voltage							
Rated frequency	50 / 60 Hz							
Frequency range	40~70 Hz							
Power factor	> 1							
Bypass voltage range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%							
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz							
Input current THDi	<3% (linear load)							
Bypass overload	125%: long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms							
OUTPUT								
Rated voltage	380 / 400 / 415 Vac (3Φ + N + PE)							
Voltage precision	±1% (linear load)							
Frequency	Synchronized with utility in mains mode, 50/60 Hz ± 0.1 Hz in battery mode							
Waveform	Sinusoidal							
Power factor	1							
Total harmonic distortion (THDv)	<1% (full linear load); <3% (full non-linear load according to IEC/EN62040-3)							
Crest factor	3:1							
Overload	<110%, 60min; 110%~125%, 10min; 125%~150%, 1min; >150%, 200ms							
BATTERIES								
Long run model battery voltage	±240VDC>Selectable, 32~50pcs)							
Charging current	30 A	40 A	60 A					
Charger voltage precision	<1%							
SYSTEM								
Display	Default : 5 inch touch screen		Default : 7 inch touch screen					
Efficiency	96%							
Transfer time	0 ms							
Interface	Standard: RS232, RS485, USB, battery cold start Option: programmable dry contact, SNMP, parallel kit							
ENVIRONMENT								
Operating temperature	0°C ~ 40°C							
Storage temperature	-40°C ~ 70°C							
Relative humidity	0 ~ 95% (non-condensing)							
Noise level at 1 m	< 70dB							
Altitude	<1000 m, load derated 1% per 100 m from 1000 ~ 2000m							
OTHERS								
Dimensions (W × D × H) (mm)	360 x 800 x 1200	360 x 850 x 1200	440 x 850 x 1250					
Packaged dimensions (W × D × H) (mm)	450 x 870 x 1350	450 x 940 x 1350	530 x 940 x 1410					
Net weight (kg)	152	156	160	194	200			
Gross weight (kg)	172	180	180	214	220			



ALLSAIW-5 PRO 80KVA - 200KVA 3/3

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ACERCA DE ALLSAI

ALLSAI es una compañía con más de 15 años de experiencia en el mercado latinoamericano destacándose por innovar continuamente en las diferentes soluciones de respaldo de energía.

Actualmente contamos con un amplio portafolio de soluciones que agrega valor al negocio de nuestros clientes, logrando posicionar nuestra marca en toda la región con un sello de calidad y respaldo que hace la diferencia.

