

1 KVA - 3 KVA RACK

Features

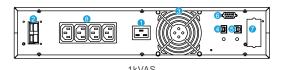
- High frequency on-line double conversion technology.
- DSP (Digital signal processors) control technology.
- Active power factor correction (APFC), input power factor up to 0.99.
- Output power factor 0.9.
- Wide input voltage range (110 V \sim 300 Vac) and frequency range (40 \sim 70 Hz).
- Auto sensing frequency.
- 50 / 60 Hz frequency conversion.
- Cold start.
- Rear ventilation design and variable speed fan.
- Effective software and hardware protection.
- Quick and stable charging, 90% capacity restored in 4h (standard model UPS).
- Linear derating in low voltage input reducing battery discharging times.
- Settable delayed start when power is restored.
- Hot-swappable battery.
- Advanced battery management (ABM).

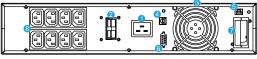
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode.
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional).
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch).



Rear Panel

- 1 AC input socket
- 2 Battery connector (Optional)
- 3 Fan
- 4 USB (Optional)
- 5 EPO (Optional)
- 6 RS232
- 7 Intelligent slot (Optional)
- 8 Output sockets

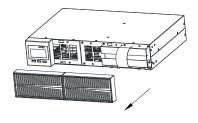


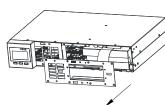


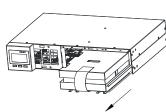
2kVAS



3kVAS







Easy for maintenance, hot-swappable battery



Especifications

MODEL	ALLSA	ALLSAIW-3 PRO 1K RACK			SAIW-3 PRO	2K RACK	ALLSAIW-3 PRO 3K RACK		
Capacity		1 kVA / 900 W			2 kVA / 180	0 W	3 kVA / 2700 W		
INPUT									
Rated voltage		208 /220 / 230 /240 Vac							
Voltage range		110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)							
Frequency	40 ~ 70 Hz (auto-sensing)								
Power factor	≥ 0.99								
Bypass voltage range	-25% ~ +15% (settable)								
Total harmonic distortion	≤ 6%								
OUTPUT									
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)								
Voltage regulation	±1%								
Frequency		45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)							
Waveform	Sinusoidal								
Power factor	0.9								
Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)								
Crest factor	3:1								
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms								
BATTERIES									
DC voltage	24 V (S)	36 V (S)	36 V (H)	48V (S)	72 V (S)	72 V(H)	72 V (S)	96 V (H)	
Inbuilt battery	2x9Ah	3x7 Ah	/	4x9 Ah	6x7 Ah	/	6x9 Ah	/	
Charging current (max.)	1	Α.	6A	1	LA	6A	1A	6A	
Recharger time		Standar model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery							
SYSTEM									
	≥ 90	\geq 90% (Mains mode) \geq 91% (Mains mode) \geq 92% (Mains mode)							
Efficiency	≥ 85	≥ 85% (Battery mode)			≥ 86% (Battery mode)			≥ 87% (Battery mode)	
	≥ 95	\geq 95% (ECO mode) \geq 96% (ECO mode) \geq 97% (ECO mode)						mode)	
Transfer time		Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)							
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection								
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)								
Display	LCD + LED								
Standars	EN 6	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1							
OTHERS									
Operating temperature		0°C ~ 40°C							
Storage temperature		-25°C ~ 55 °C (without batteries)							
		0-95% (non-condensing)							
Relative humidity				0-95					
Relative humidity Altitude			≤ 1	0-95 000 m, derat	5% (non-cond	lensing)	100 m		
,			≤1		5% (non-cond	lensing)	100 m		
Altitude			≤1		5% (non-cond ing 1% for ea	lensing)	100 m		
Altitude IP rating	440 x 338 x 88	440 x 430 x 88	≤ 1 440 x 468 x 88		5% (non-cond ing 1% for ea IP 20	lensing)	100 m 440 x 560 x 88	440 x 468 x 88	
Altitude IP rating Noise level at 1m			440 x 468	000 m, derat	5% (non-cond ing 1% for ea IP 20 ≤50 dB 440 x 560	lensing) ch additional 440 x 468		440 x 468 x 88 545 x 592 x 201	
Altitude IP rating Noise level at 1m Dimensions (W x D x H) (mm) Packaged dimensions	x 88 545 x 428	x 88 545 x 560	440 x 468 x 88 545 x 592	000 m, derat 440 x 430 x 88 545 x 560	5% (non-cond ing 1% for ea IP 20 ≤50 dB 440 x 560 x 88 545 x 690	ensing) ch additional 440 x 468 x 88 545 x 592	440 x 560 x 88		

[•] Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac. • S means standard model, H means long time model.

[•] All specifications are subject to change without notice.
• Custom-made specifications are acceptable.





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ACERCA DE ALLSAI

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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.

