



ALLSAIW-5 PRO

10KVA – 30KVA 3/3

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 1.
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 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.
- 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 and 12 A charger (2/3 kVA only).



Specifications

MODEL	ALLSAIW-5 PRO 10K 3/3		ALLSAIW-5 PRO 15K 3/3		ALLSAIW-5 PRO 20K 3/3		ALLSAIW-5 PRO 30K 3/3	
Capacity	10 kVA / 10 kW		15 kVA / 15 kW		20 kVA / 20 kW		30 kVA / 30 kW	
INPUT								
Rated voltage	380 / 400 / 415 Vac (L-L)							
Voltage range	304 ~ 478 Vac (L-L), full load 228V ~ 304 Vac (L-L), load decrease linearly according to the min phase voltage							
Rated frequency	50 ~ 60 Hz (auto-sensing)							
Frequency range	40 ~ 70 Hz							
Power factor	> 0.99							
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							
Total harmonic distortion (THDi)	<3% (full Linear Load)							
Bypass overload	125%: Long term operation; 125% ~ 130%: 10min; 130% ~ 150%: 1min; 150% ~ 400%: 1s; > 400%, less tahn 200ms							
OUTPUT								
Voltage	380 / 400 / 415 Vac (L-L)							
Voltage regulation	±1% (full Linear Load)							
Frequency	Synchronized with utility in mains mode, 50 / 60 Hz ± 0.1 % 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%, 60 min; 110% ~ 125%, 10 min; 125% ~ 150%, 1 min; >150%, 200ms							
BATTERIES								
DC voltage	±240 VDC (Selectable, 32 - 40 pcs)							
Inbuilt battery (standard model)	(10+10) x 9AH	(20+20) x 7AH		(20+20) x 9AH		(15+15) x 9AH x 2 strings		
Charging current	10Amax							
Charger voltage precision	1%							
Recharger time	Standar model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery							
SYSTEM								
Efficiency	95% Max							
Transfer time	0 ms							
Max. number of parallel connections	4							
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure							
Communications	RS232, USB / RS485, EP0, Dry contacts, Parrallel port (Standard) SNMP card, WI-FI card, GPRS card, SMS alarms (optional)							
Display	LED + 5 inches LCD touch screen							
OTHERS								
Operating temperature	0°C ~ 40°C							
Storage temperature	-40°C ~ 70°C							
Relative humidity	0 ~ 95% (non-condensing)							
Altitude	≤ 1000 m, Load derated 1% per 100 m from 1000 ~ 2000m							
IP rating	IP 20							
Noise level at 1m	55dB @ 100% load, 52dB @ 50% load				58dB @ 100% load, 55dB @ 50% load			
Dimensions (W x D x H) (mm)	250 x 720 x 560 (S) 250 x 720 x 560 (H)		250 x 800 x 700 (S) 250 x 720 x 560 (H)				250 x 840 x 930 (S) 250 x 840 x 650 (H)	
Packaged dimensions (WxDxH) (mm)	350 x 800 x 722 (S) 350 x 800 x 718 (H)		350 x 900 x 862 (S) 350 x 800 x 718 (H)				350 x 950 x 1102 (S) 350 x 980 x 810 (H)	
Net weight(kg)	82 (S) 31 (H)		131 (S) 33 (H)		145 (S) 33 (H)		215 (S) 42 (H)	
Gross weight(kg)	93 (S) 40 (H)		142 (S) 42 (H)		156 (S) 42 (H)		227 (S) 52 (H)	

- 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

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.

