

Allsai W Pro 3:3

UPS Trifásica



Features

- DSP digital control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Cold start
- Dual input
- Wide input voltage range (190 V ~ 485 V)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Auto control fan speed when loads varies
- Auto power ON/OFF according to the load capacity set by users
- Flexible battery configuration for using 14 / 16 / 18 / 20 pcs batteries
- Compact internal layout, miniaturized the complete unit for small footprint
- 5" colorful touch screen display, friendly human-machine interface
- Powerful background software for parameters configuration and online updating
- Doubling the battery charging speed, 90% capacity restored in 4 hours (standard model UPS)
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Advanced battery management (ABM), automatic floating / equalizing charge control, charger dormancy control
- Configurable switching time from battery mode to mains mode when mains power is restored, reducing the impact on power grid or generator
- Effective software and hardware protection function, powerful self-diagnostic function, abundant historical records
- Standard emergency power off (EPO)
- Standard maintenance bypass
- Standard RS232 / USB communication port
- Optional RS485 / SNMP / AS400 communication port and SMS alarms
- Optional N+X redundancy parallel up to 6 units
- Optional battery temperature compensation, EMD environmental sensors

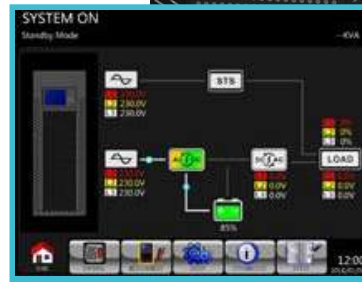
Rear Panel

1. Mains Input
2. DC Input
3. Bypass Input
4. Output
5. Mains Input Breaker
6. Bypass Input Breaker
7. Maintenance Bypass
8. Fan
9. RS232
10. USB
11. EPO
12. Battery Temperature Compensation (Optional)
13. Intelligent Slot 1 (SNMP / AS400 / RS485 Optional)
14. Intelligent Slot 2 (SNMP / AS400 / RS485 Optional)
15. Parallel Card (optional)
16. Battery Breaker
17. Battery Cold Start



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- **True double conversion**

Double conversion between input/output, battery and bypass are totally isolated power line noise, spike and transients, keeping power failure away from your critical loads.

- **DSP technology guarantees high reliability**

A Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates them to provide an improved solution with higher performance.

- **Output power factor 0.9**

For critical applications, this 3-phase online UPS with output power factor 0.9 ensures higher efficiency and advanced performance.

- **Active power factor correction in all phases**

Power factor correction is active in all phases and it can improve the efficiency of input.

- **50Hz/60Hz frequency converter mode**

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

- **ECO mode operation for energy saving**

ECO mode improves the efficiency up to 98% to cut energy usage & cost. In this mode, loads are supplied by the mains directly. While mains failure, the UPS will constantly supply the power to the connected device without any interruption.

- **Emergency power off function (EPO)**

In case of any emergency and fire, the EPO control mechanism can instantly shut down the system.

- **Optional parallel operation with common battery**

The system can be operated in parallel, increasing the capacity and performance. Besides, this parallel UPS system can share common battery packs which might greatly reduce the expense and reach the same performance.

- **Smart battery charger design to optimize battery performance**

This UPS is equipped with 3-stage charger for optimize battery performance. This feature extends the useful service life of battery and optimizes battery recharge time.

- **Maintenance bypass available**

Designed for systems which uptime is critical, the maintenance bypass allows seamless transfer of an electrical load from UPS power to mains.

- **Adjustable battery design**

The number of connected batteries can be adjusted flexibly based on different power demands. This feature can allow UPS to keep running even when some battery packs are damaged.

- **Adjustable charging current only available for 100K and up models**

Users can adjust charging current via LCD setting based on applications. It's available for 100K and up models.

Especificaciones Técnicas

MODELO	W10kPro 3/3	W15kPro 3/3	W20kPro 3/3	W30kPro 3/3	W40kPro 3/3	W60kPro 3/3	W80kPro 3/3	W100kPro 3/3	
Capacidad	10kVA/9kW	15kVA/13.5kW	20kVA/18kW	30kVA/27kW	40kVA/36kW	60kVA/54kW	80kVA/72kW	100kVA/90kW	
ENTRADA									
Voltaje Nominal	360 / 380 / 400 / 415 Vac				3 x 400 Vac (3 fases + Neutro)				
Rango de Voltaje	277 ~ 485 Vac (Sin reducción); 190 ~ 277 Vac (derrateo lineal entre 50% y 100% de carga)				190~520 VAC a 50% de carga; 305~478 VAC a 100% de carga			208~478 VAC a 70% de carga; 305~478 VAC a 100% de carga	
Rango de Frecuencia	40 ~ 70 Hz				46~54 Hz o 56~64 Hz			40 ~ 70 Hz	
Factor de Potencia	≥ 0.99								
SALIDA									
Voltaje	360 / 380 / 400 / 415 Vac				3 x 360* / 380 / 400 / 415 Vac			3 x 380/400/415 Vac	
Regulación de Voltaje	± 1%								
R. de Frecuencia (Rango Sincronizado)	45 ~ 55 Hz o 55 ~ 65 Hz				46 ~ 54 Hz o 56 ~ 64 Hz				
Rango de Frecuencia (Modo Batería)	50/60 Hz ± 0,1 Hz				50 Hz ± 0,1 Hz o 60 Hz ± 0,1 Hz				
Forma de Onda	Sinusoidal Pura								
Factor de Cresta	3:1								
Distorsión Armónica Total (THDV)	≤ 2% (Carga lineal); ≤ 5% (Carga no lineal)				≤ 2% (Carga lineal); ≤ 4% (Carga no lineal)				
Tiempo de Transferencia	0 ms								
Capacidad de sobrecarga	102% ~ 125%: Transferencia a bypass en 10 min; 125% ~ 150%: Transferencia a bypass en 1 min; > 150%: Transferencia a bypass en 0.5 s				100% ~ 110% por 10 min; 110% ~ 130% por 1 min; > 130% por 1 s			105% ~ 110% por 1 hora; 111% ~ 125% por 10 min; 126% ~ 150% por 1 min; > 150% por 200 ms	
EFICIENCIA									
Modo de Red	≥ 93%				≥ 94%			≥ 94.5%	
Modo Batería	≥ 93%				≥ 93.5%			≥ 94.5%	
Modo ECO	≥ 98%				≥ 97%			≥ 98%	
BATERÍAS									
MODELO ESTANDAR	Voltaje en DC	240 Vdc				+/- 218 Vdc			
	Baterías Internas	20 x 7Ah	40 x 7Ah	40 x 9Ah	60 x 9Ah	2x(16+16)x9Ah			
	Corriente de Carga					2 A			
	Tiempo de Recarga	4 horas para recuperar 90% de capacidad.				9 horas para recuperar 90% de capacidad.			
MODELO L (Autonomía Extendida)	Voltaje en DC	192 Vdc (Opcional 168V / 192V / 216V / 240V)				+/- 13.65V x N (N=16~20)			+/- 13.7V x N (N=16~20)
	Numero de Baterías	16 piezas (Opcional 14, 16, 18 o 20)				32 ~ 40 piezas (ajustable)			
	Corriente de Carga					4 A	8 A	8 A	24 A
	Tiempo de Recarga	Depende de la capacidad de la batería.							
GENERALIDADES									
MODELO ESTANDAR	Dimensiones _{AxPxH} (mm)	350x785x858	350x785x1078			300x815x1000			
	Peso (kg)	115	155	175	235	230			
MODELO L (Autonomía)	Dimensiones _{AxPxH} (mm)	350x655x732				300x815x1000		360x790x1010	567x940x1000
	Peso (kg)	55	60	61	65	61	108	113	194
Temperatura de Funcionamiento	0 ~ 40 °C								
Humedad Relativa	20 ~ 90% (sin condensación)				< 95% (sin condensación)				
Nivel de Ruido a 1m	≤ 60 dB		≤ 65 dB		≤ 70 dB		≤ 75 dB	≤ 70 dB	
Pantalla	LCD TOUCH				LCD TOUCH			LCD monocromático 5.7" o LCD a color tipo Táctil 10"	
Alarmas	Modo batería, batería baja, falla de ventiladores, etc.				Estatus de UPS, Nivel de Carga, Nivel de Batería, Entrada/Salida de voltaje, tiempo de descarga, y condiciones de falla.				
Max. No. Paralelo	6				3			2	
COMUNICACIONES									
Estándar: RS232 / USB / Opcional: RS485 / AS400	Compatible con Windows® 98/2000/2003/XP/Vista/2008/Windows® 7/8/10				Compatible con Windows® 2000/2003/XP/Vista/2008/Windows® 7/8/10, Linux y MAC.				
Opcional SNMP	Administración de energía desde el administrador SNMP y el navegador web								

- ☒ Si la tensión de salida se establece un 3 x 360VAC, la potencia de salida de la unidad debe ser derrateada a 90%.
- ☒ L significa modelo de autonomía extendida.
- ☒ Todas las especificaciones están sujetas a cambio sin previo aviso.
- ☒ Se acepta personalizaciones de especificaciones por encargo.