

UPS SOLAR

SISTEMA DE POTENCIA ININTERRUMPIDO

**AHORRO Y ENERGÍA DE CALIDAD
CON ALTA DISPONIBILIDAD**

Disponible en modelos de 10KVA - 120KVA.
Su función de fuente de alimentación segura proporciona energía de buena calidad con voltaje regulado y frecuencia a las cargas. Además de ser un almacenamiento de energía ideal para aplicaciones fotovoltaicas residenciales, comerciales e industriales.

- Compatible con diversas marcas top de **Paneles Solares**.
- Eficiencia AC-AC mayor al 90%.
- Inversor con onda sinusoidal pura.
- Bajo nivel de ruido audible ($\leq 65\text{dB}$).
- Compatible con baterías AGM/GEL/VRLA y de Litio



MODEL	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	
Rated power	9 KW	18 KW	27 KW	36 KW	54 KW	72 KW	90 KW	108 KW	
Rated current	15 A	30 A	45 A	60 A	91 A	120 A	162 A	182 A	
Output power factor	0.9								
Rated input voltage	380 Vac ± 20%								
Rated output voltage	380 Vac ± 1%								
Battery voltage	360 Vdc								
Number of battery	12 Vdc × 30 pcs / 2 Vdc × 180 pcs								
Operating mode	AC and PV complementation								
PV INPUT									
Max. voltage (Voc)	750 Vdc								
Optimum operating voltage (Vmp)	450 ~ 550 Vdc								
Max. conversion efficiency	≥ 98%								
Floating charge voltage (25°C)	414 Vdc ± 1%								
Equalizing charge voltage (25°C)	428 Vdc ± 1%								
MPPT Max. current	60 A	120 A		180 A	240 A	360 A			
Max. PV power	25 KW	2 × 25 KW		3 × 25 KW	4 × 25 KW	6 × 25 KW			
Number of PV input	1	2 + 1 (reserve)		3 + 1 (reserve)	4 + 2 (reserve)	6 + 2 (reserve)			
MPPT modules	1	2 + 1 (reserve)		3 + 1 (reserve)	4 + 2 (reserve)	6 + 2 (reserve)			
AC RECTIFIER									
Input voltage range	380 Vac ± 20% three-phase								
Rated frequency	50 Hz / 60 Hz ± 5 Hz (settable)								
Power factor	0.8								
Floating charge voltage (25°C)	410 Vdc ± 1%								
Equalizing charge voltage (25°C)	415 Vdc ± 1%								
Max. charging current	12 A	25 A	38 A	50 A	75 A	167 A	208 A	250 A	
INVERTER									
Inverter voltage	380 Vac three-phase +N +G								
Phase voltage	220 / 230 / 240 Vac (settable)								
Output voltage precision	± 1%								
Transient voltage range	± 5%								
Transient recovery time	20 ms								
Rated frequency	50 Hz / 60 Hz ± 1 Hz (settable)								
Frequency tracking range	50 Hz / 60 Hz ± 3 Hz								
Peak factor	3 : 1								
Waveform	Sinusoidal								
Waveform distortion	≤ 3% (linear load)								
Voltage unbalance	± 3% (100% unbalanced load)								
Overload	≥ 105% ~ 110% for 1 h; ≥ 110% ~ 125% for 10 mins; ≥ 125% ~ 150% for 1 min; ≥ 150% shut down in 10 s; ≥ 200% shut down immediately								
Short circuit	Current-limiting, shut down immediately until the user start up								
Max. efficiency	≥ 90%	≥ 91%	≥ 92%		≥ 93%				
BYPASS									
Rated voltage	380 Vac three-phase + N+G								
Voltage range	± 20%								
Rated frequency	50 Hz / 60 Hz ± 5 Hz								
Max. current	19 A	38 A	57 A	76 A	114 A	152 A	190 A	228 A	
BATTERIES MANAGEMENT									
EOD voltage settings	1.58 Vdc ~ 1.83 Vdc (settable), 1.75 Vdc (default)								
Staggering DOD (Depth of Discharge) settings	1.85 Vdc ~ 2.1 Vdc (settable), 1.89 Vdc (default)								
Charging current settings	Factory default 0.15 C ₁₀ ; 0.07 ~ 0.3 C ₁₀ (settable)								
Battery management	Auto-transfer between equalizing charge and floating charge; Auto- temperature compensation of batteries								
TRANSFER TIME									
Inverter - Bypass	0 ms								
Bypass - Inverter	0 ms								
COMMUNICATIONS									
Remote control	Inverter startup, shutdown, abnormal clearance, EPO, battery self-test								
Communication interface	RS232 / RS485 ; SNMP / WiFi / Bluetooth (optional)								
Dry contacts output	Bypass input abnormal, rectifier input abnormal, system fault, system alarm, low battery, output overload, fan fault, generator ON / OFF								
OTHERS									
Operating temperature	0°C ~ 40°C								
Max. relative humidity	90% (non-condensing)								
Max. altitude	1000 m at rated power (derating 1% for each additional 100 m); Max. 4000 m								
Noise level at 1 m	≤ 65 dB (varies with loads and temperature)								
IP rating	IP20								
Dimensions (W × D × H) (mm)	450 × 840 × 1100		600 × 700 × 1750			960 × 800 × 1700			
Packaged dimensions (W × D × H) (mm)	530 × 920 × 1140		690 × 790 × 1850			1040 × 890 × 1750			
Weight (kg)	230	245	380	430	515	760	800	860	

All specifications subject to change without notice.

