

## Inversor híbrido trifásico Three-phase hybrid inverter

### RSI-10K-300K-3PH

Inversor Híbrido Trifásico Rekoser con ATS para Gestión Energética Inteligente

Three-phase hybrid inverter with ATS for smart energy management. Works with PV Solar + Grid + Battery + Generator

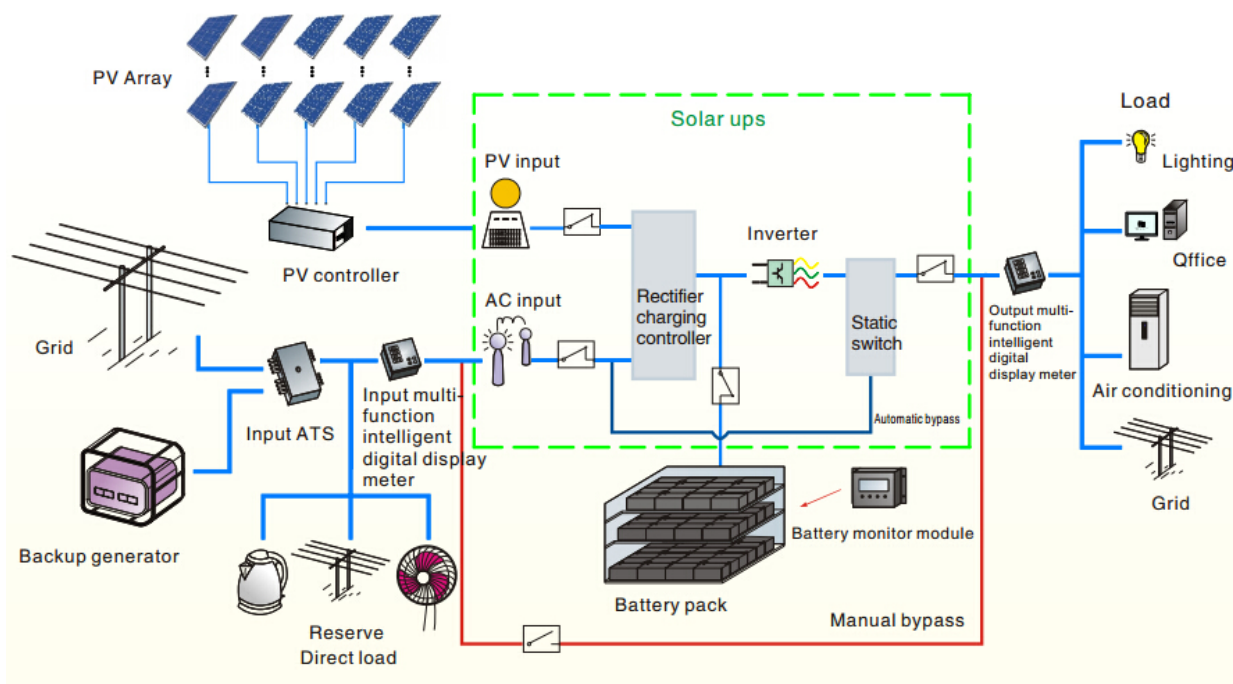


#### Características

- Inversor de onda pura
- Interruptor de transferencia automática incorporado
- Controlador digital de factor de potencia incorporado
- Arranque en frío
- Compatible con el uso de generadores
- Comunicación por RS232 y RS485
- Pantalla táctil de 7 pulgadas
- 99% de eficiencia del sistema
- Se pueden configurar dos modos de trabajo:
  - PV-red-batería; o PV-batería-red; Puede elegir uno de estos modos libremente a través de una pantalla
  - Función Solar MPPT, alta eficiencia para usar energía solar

#### Features

- Pure sine wave output
- Built in Automatic Transfer Switch
- Built in Digital Power Factor Controller
- Cold start
- Generator compatible
- With RS232 and RS485 standard
- 7 inch Touch Screen Display
- 99% system efficiency
- Two working modes can be set:
  - PV-Grid-battery; or PV-battery-Grid; You can choose one of these modes freely through a display
  - Solar MPPT function, high efficient to use solar energy



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# Especificaciones Specifications

Model		RSI-10K-3PH	RSI-20K-3PH	RSI-30K-3PH	RSI-40K-3PH	RSI-50K-3PH	RSI-60K-3PH	RSI-80K-3PH	RSI-100K-3PH	RSI-120K-3PH	RSI-160K-3PH	RSI-200K-3PH	RSI-300K-3PH	
Capacity ( KVA )		10	20	30	40	50	60	80	100	120	160	200	300	
Grid/AC )	Type	Three phase (3L+N+G) , 220V/380VAC , 50Hz ,												
	Input Voltage	220V/380VAC±25%												
	Input Frequency	50Hz±5%												
	Charging volt	432V±1%												
	Charging Power	<inverter capacity*20%												
PV/DC	Battery low Voltage Protection	>336V												
	PV Input Open circuit voltage	560VDC~800VDC												
	MPPT output voltage	437±1%												
	Output ( A )	50	100	150	200	300	500	600	800					
	PV Inputs	1	2	3	4	6	10	12	16					
	Rated PV power ( KW )	22	44	66	88	132	220	264	352					
	MPPT Installation	Built-in ( above rated capacity will external )										External		
Battery y	Battery type	VRLA/maintenance free lead acid ( other type need customize )												
	Battery volt	384V ( 2V*192pcs in series or 12V*32pcs in series )												
	Bat capacity	According to its backup time												
	Battery low voltage protection	Low voltage shutdown point : 336V Low voltage alarming point : 346V Low voltage recovery point : 352V												
Physical	Output waveform	Pure sine wave, THDi<3%(liner loads)												
	voltage、 frequency	220V/380VAC、 50Hz												
	Dynamic performance	The dynamic transient range of the inverter output less than ±5% , transient recovery time <20mS												
	Crest factor	3:1												
	overload	( inverter output ) over 115% for 1mins , over 150% into protection mode												
	Efficiency ( 100% full load、 battery mode )	>88%	>90%						>91%					
	Transfer time	( 0.01 s ( inverter--bypass )												
	Rated power	Rated capacity*0.8 ( KW )												
	Protection	Output short circuit\overload\over voltage\low voltage\over temperature,ect. Voice and display alarm												
	Display	LCD display input /output voltage、 output current、 inverter voltage、 frequency、 output current、 battery voltage、 PV voltage、 PV input current、 temperature working mode、 flow chart、 real time working status、 event record and system info etc..												
	Working temper	0—40°C												
	Relative humidity	30%—95%												
	Working mode	PV-Grid-Battery ; PV-Battery-Grid ( option select from LCD )												
	altitude ( max )	< 1000m ( increase 100m power reduce 1% , max 4000m )												
	Communication	RS232/RS485												
	Cooling	Force air cooling												
Size/W*D*H ( mm )	600×800×1250			600*700×1530			980*800*1800			1380*950*1800				
Weight ( kg )	236	265	342	407	450	510	800	950	980	1440	1760	2800		

#### Disclaimer

- These data in this document are tested under specified conditions. It may result in difference between actual results and these due to some uncertain factors.
- The statement about this product is for reference only. It makes no representation or warranty.
- All specifications subject to change without notice.