



KCO

3.6KW / 4.2KW / 6.2KW

Hybrid Solar Inverter



- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge: max 6200W(for 3.6KW/4.2KW), max 6500w (for 6.2K)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



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MODEL	KCO-3.6KW	KCO-4.2KW	KCO-6.2KW
PHASE		1-phase	
MAXIMUM PV INPUT POWER	6200W	6200W	6500W
RATED OUTPUT POWER	3600VA/3600W	4200VA/4200W	6200VA/6200W
MAXIMUM CHARGING POWER		120A	
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage		360/500VDC	
Start-up Voltage /Initial Feeding Voltage		60VDC/90VDC	
MPPT Voltage Range		60~450VDC	
Maximum Input Current	1/18A		1/22A
GRID OUTPUT (AC)			
Nominal Output Voltage		220/230/240VAC	
Output Voltage Range		195~253VAC	
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor		>0.99	
EFFICIENCY			
Maximum Conversion Efficiency(DC/AC)		98%	
TWO LOAD OUTPUT POWER			
Full Load	3600W	4200W	6200W
Maximum Main Load	3600W	4200W	6200W
Maximum Second Load(battery mode)	1200W	1400W	2067W
Maximum Load Cut Off Voltage	26VDC	26VDC	52VDC
Maximum Load Return Voltage	27VDC	27VDC	54VDC
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage		120-140VAC/180VAC	
Acceptable Input Voltage Range		90-280VAC or 170-280VAC	
Frequency Range		60±1HZ	
Maximum AC Input Current	21.1A	24.7A	36.4A
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage		360/500VDC	
MPPT Voltage Range		60~450VDC	
Maximum Input Current	1/18A		1/22A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		220/230/240VAC	
Output Waveform		Pure sine wave	
Efficiency(DC to AC)		94%	
BATTERY&CHARGER			
Nominal DC Voltage	24VDC		48VDC
Maximum Solar Charging Current		120A	
Maximum AC Charging Current		100A	
Maximum Solar+AC Charging Current		120A	
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage		360/500VDC	
Start-up Voltage /Initial Feeding Voltage		90VDC/120VDC	
MPPT Voltage Range		60~450VDC	
Maximum Input Current	1/18A		1/22A
GRID OUTPUT (AC)			
Nominal Output Voltage		220/230/240VAC	
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AC INPUT			
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Acceptable Input Voltage Range		90-280VAC or 170-280VAC	
Maximum AC Input Current	21.1A	24.7A	36.4A
Maximum AC Charging Current		100A	
GENERAL			
PHYSICAL			
Dimension,D*W*H(mm)		420*350*110	
Cartoon Dimension,D*W*H(mm)		500*415*180	
Net Weight (kgs)	8.0	8.0	8.9
Gross Weight(kgs)	9.0	9.0	10.0
INTERFACE			
Communication Port		RS232/RS485/WIFI/GPRS/LITHIUM BATTERY	
ENVIRONMENT			
Humidity		5%to 95%Relative Humidity(Non~condensing)	
Operating Temperature		10 C~50 C	
STANDARD			
Compliance Safety		CE	

**Product specifications are subject to change without further notice

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