

# KST-V Off-Grid Inverter



KST VM 1000-12 / KST VM 2000-24    KST VP 1000-12 / KST VP 2000-24    KST VP3000-24 / KST VM3000-24    KST VM 3000-24 Plus / KST VP 5000-48 / KST VM 5000-48

- Inversor Solar Senoidal Puro
- Fator Potencia Saida 1
- Corrente carga de alta potencia selecionavel
- Largo range entrada DC
- Carregador AC e Solar
- Configuração prioridade entrada AC/Solar via setagem LCD
- Compativel tambem com gerador
- Proteção sobrecarga e sobrecorrente
- Carregador bateria inteligente projetado para otimizar performance da bateria

KASATEC OFF-GRID INVERTER

## KST-V Off-Grid Inverter Selection Guide

MODEL	KST VP 1000-12	KST VM 1000-12	KST VP 2000-24	KST VM 2000-24	KST VP 3000-24	KST VM 3000-24	KST VM 3000-24 Plus	KST VP 5000-48	KST VM 5000-48
Rated Power	1000VA/1000W		2000VA/2000W		3000VA / 3000W			5000VA / 5000W	
<b>INPUT</b>									
Voltage	230 VAC								
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)								
Frequency Range	50 Hz/60 Hz (Auto sensing)								
<b>OUTPUT</b>									
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%								
Surge Power	2000VA		4000VA		6000VA			10000VA	
Efficiency (Peak)	90% ~ 93%								
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)								
Waveform	Pure sine wave								
<b>BATTERY</b>									
Battery Voltage	12 VDC		24 VDC					48 VDC	
Floating Charge Voltage	13.5 VDC		27 VDC					54 VDC	
Overcharge Protection	16 VDC		31 VDC		33 VDC			63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>									
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum PV Array Power	600 W	500 W	1200 W	1000 W	1200 W	1000 W	1500 W	2400 W	3000 W
MPP Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30~80 VDC	30~115 VDC	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50 A	40 A	50 A	40 A	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	20 A	20 A	20 A	25 A	25A	25A	60 A	60 A	60 A
Maximum Charge Current	50 A	60 A	50 A	60 A	70 A	60 A	120 A	110 A	120 A
<b>PHYSICAL</b>									
Dimension, D x W x H (mm)	88 x 225 x 320				100 x 285 x 334		100 x 300 x 440	100 x 300 x 440	
Net Weight (kgs)	5.0	5.1	5.5	5.5	6.3	6.5	9.5	8.5	9.7
Communication Interface	USB/RS232								
<b>ENVIRONMENT</b>									
Humidity	5% to 95% Relative Humidity (Non-condensing)								
Operating Temperature	-10°C to 50°C								
Storage Temperature	-15°C to 60°C								

Product specifications are subject to change without further notice.