



# GEMKS ZERO-LV-120VAC

(1K-12) (2K-24) (3K-48)



- Tiempo de transferencia cero (0 ms) para proteger cargas críticas en modo baterías
- Inversor solar de onda sinusoidal pura
- Cargador solar incorporado 80A MPPT
- Amplio rango de entrada DC
- Rango de voltaje de entrada seleccionable para electrodomésticos y computadoras personales
- Prioridad de entrada de CA / solar configurable a través de la configuración de LCD
- Compatible con la tensión de red o la potencia del generador
- Protección contra sobrecargas y cortocircuitos
- Diseño de cargador de batería inteligente para un rendimiento optimizado de la batería
- Funcionamiento en paralelo con hasta 9 unidades



# Off - Grid Inverter

INVERTER MODEL		GEMKS-ZERO-LV-1K-12	GEMKS-ZERO-LV-2K-24	GEMKS-ZERO-LV-3K-48
<b>Rated Power</b>		1000VA/1000W	2000VA/2000W	3000VA/3000W
<b>INPUT</b>				
Voltage		120 VAC		
Voltage Range		95-140 VAC		
Frequency Range		50 Hz/60 Hz (Auto sensing) ± 4Hz		
Power Factor		≥ 0.98@ Nominal Voltage (100% Load)		
THDi		≤ 10%		
<b>OUTPUT</b>				
AC Voltage Regulation (Line & Batt. Mode)		120VAC ± 5%		
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz		
Harmonic Distortion		≤ 3 % THD (Linear Load) ; 5 % THD (Non-Linear Load)		
Transfer Time	AC Mode to Batt. Mode	0ms		
	Inverter to Bypass	4 ms (Typical)		
Waveform		Pure sine wave		
<b>EFFICIENCY</b>				
Line Mode		> 90%		
ECO Mode		98%		
Battery Mode		88%	90%	92%
<b>BATTERY</b>				
Battery Mode		10~16 VDC	20~32 VDC	40~64 VDC
Floating Charge Voltage		13.5 VDC	27 VDC	54 VDC
Overcharge Protection		16 VDC	32 VDC	64 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger Type		MPPT		
Maximum PV Array Power		1000 W	2000 W	4000 W
MPPT Range @ Operating Voltage		15~115 VDC	30~115 VDC	60~115 VDC
Maximum PV Array Open Circuit Voltage		145 VDC		
Maximum Solar Charge Current		80A		
Maximum AC Charge Current		60A		
<b>PHYSICAL</b>				
Dimension, D X W X H (mm)		120 x 295 x 468		
Net Weight (kgs)		10.5	11	11.5
Communication Interface		RS232		
<b>ENVIROMENT</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

