

Pure Sine Wave Solar Inverter CER-5KRM

Certo



Features

- Zero (0ms) transfer time to protect mission-critical loads such as servers
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional parallel operation up to 9 units

Introduction

This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Inverter system connection



Specification

MODEL		CER-5KRM
	Nominal Battery System Voltage	48V
INVERTER OUTPUT	Rated Output Power	5KW
	Surge Power	10KW for 5 sec
	Waveform	Pure Sine Wave
	Power factor	1
	Output Voltage Regulation	230Vac±5%
	Inverter Efficiency(Peak)	93% on Line Mode, 90% on Battery Mode
	Transfer Time	0 ms
AC INPUT	Nominal Input Voltage	230VAC
	Voltage range	110-280 VAC
	Input Voltage Waveform	Sinusoidal (utility or generator)
	Frequency Range	50Hz / 60Hz (Auto sensing)
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC
	MPPT Range @ Operating Voltage	60~115VDC
	Solar Charger Type	MPPT
	Maximum PV Array Power	4000W
	Maximum PV Charge Current:	80A
	BMS	YES
	Maximum AC Charge Current	60A
Maximum Charge Current(PV+AC)	140A	
MECHANICAL SPECIFICATIONS	Dimension (D*W*H) (mm)	466 x 438 x 130
	Net Weight (kg)	15.0
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)
	Operating Temperature Range	-10°C to 50°C
	Storage temperature	-15°C to 60°C