■ Description

Thank you for using the high efficiency and high quality semi-finished energy storage kit of mobile power supply manufactured by KRECO.

The 1000W energy storage kit KRE-PS1000Wx uses pure sine wave technology and full power design, which is to facilitate manufacturers, factories in various countries to import mature semi-finished products of KRECO by means of CKD or SKD. It is also an innovative product that customers can assemble energy storage products in their own country after purchasing, and then sell them independently. It perfectly avoids customers' worries about technical shortcomings, high freight, high import tariffs, and dangerous goods battery transportation, and is a truly perfect solution.

The energy storage kit KRE-PS1000Wx does not contain a battery and a charging board, but only a shell configuration, as well as an inverter motherboard, which can only be used with a battery inside.

Please be sure to have a professional team or professional experience in lithium batteries to order assembly storage.

If you are not familiar with this industry, please do not purchase.

Please carefully read and fully understand this kit and know how to use the product to ensure that you can be familiar with the operation and use it correctly.

Be sure to install it safely.

■ Features

- Pure sine wave technology
- 1000W Full power design
- Protections: High temperature protection/ High temperature protection recovery/ Output short circuit protection/ Current limiting protection/ High voltage protection/ Low voltage protection/ Low voltage alarm/ Power temperature control fan/ Constant power overload protection
- **W/o batteries, W/o battery charging protection board**

■ **KRECO P/N** (optional Input DC Voltage)

DC Input Voltage	12VDC	24VDC	48VDC	60VDC	OEM other voltage
KRECO P/N	**KRE -PS1000W12**	**KRE -PS1000W24**	**KRE -PS1000W48**	**KRE -PS1000W60**	**Yes**

■ **Applications**

- Storage power industry
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipment

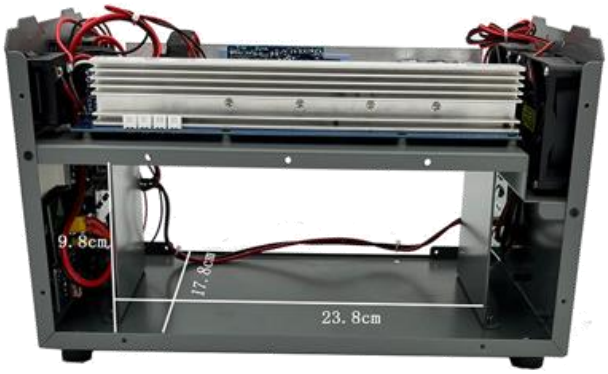
■ **Specifications and Mechanical Characteristics**

Name	Semi-finished energy storage power supply kit	
Output technical parameters and configuration	Rated power	**1000 W**
	AC output voltage	220~240Vac/ 115Vac available
	Waveform	Pure sine wave
	Waveform distortion (THD)	≤5%
	Frequency	50Hz (50/60Hz adjustable)
	Frequency range	±0.5
	Continuous output power	1000 W (resistive load)
	Peak power	2000 W
	AC universal socket	2 sockets /4.3 A AC/1
	Efficiency	≥ 87% (for efficiency test, the sampling point of DC voltage is the voltage at the input end of inverter PCB, the current sampling device (such as current shunt) shall be used for DC current sampling, and the output power meter of inverter shall be calibrated. When testing the efficiency of the inverter, the load used is a resistive load.
	USB port	2 ports 5V/3A DC
	Cigarette lighter socket	1 socket 12VDC 10A
	LCD screen	1 display show DC voltage, AC voltage, Frequency, Battery Level
	DC Jack 2.1mm	2 jacks, 12VDC

	Control switch	3 switches to control AC output, USB, W/ LEDs	
Input technical parameters	DC charging interface	2 XT60E-Female connectors, W/o charger	
	Battery voltage	12Vdc	24Vdc
	Voltage range	Regular 9V-15.5V can be trimmed as required	Regular 19-30.5V can be trimmed as required
	Off Mode Quiescent Current	≤30uA	
	Fan Operation Mode 1	Temperature-controlled fan: the fan starts when the power reaches approximately 120W; the fan starts when the temperature reaches 40°C to 50°C.	
	Fan Operation Mode 2	Pure temperature control: the fan starts when the temperature reaches 45°C; the fan stops when the temperature is below 40°C.	
	Cooling fan	2 fans	
	At positive and negative terminals	Tighten and fix the screw	
	Battery type	12V 4-string lithium iron phosphate/ 3-string ternary lithium battery	24V 8-string lithium iron phosphate/ 7-string ternary lithium battery
	Battery low voltage alarm	10±0.5V DC	20±0.5V DC
	Battery low voltage protection	9V off inverter output	19V off inverter output
	Battery high voltage protection	16V off inverter output	31V off inverter output
Output protections	High temperature protection	80°C	
	High temperature protection recovery	Restart below 60°C	
	Output short circuit protection	Automatic recovery of light short circuit, long short circuit exceeding 3 seconds to shut down the front/input stage, restart the machine.	
	Current limiting protection	Yes	
	High voltage protection	Yes	
	Low voltage protection	Yes	
	Low voltage alarm	Yes	
	Power temperature control fan	Yes	
	Constant power overload protection	1.7 times of the maximum output of constant power, automatic shutdown	
Environment	Operating temperature	-20°C ~ 50°C	
	Storage temperature and humidity	-40°C ~ 60°C,10 ~ 95%RH	
Volume and package	Body size	33 x 18.2 x 18.5cm (LxWXH)	
	Size of battery compartment	24 x 17.8 x 9.8 cm (LxWXH)	
	Package size of the complete set	41 x 26 x 27 cm (LxWXH)	
	Bare metal weight	Net weight: 5.0 kgs	
	Weight of the complete set	Gross weight: 5.5 kgs	

■ **Size of battery compartment** Unit: cm

Recommend lithium iron phosphate/ ternary lithium battery



■ **Note**

(1) AC universal socket type is for worldwide power plugs, more plugs type could be re-designed, or added to production order.
(2) X= Input DC voltage, it is optional, according to design.
(3) 1000W for Output power, what you are going to order, please must specify to sales.
(4) Safety model number may differ from the order number, KRECO P/N number, and shape number as per respective OEM/ODM factories.
(5) Please be sure to have a professional team or professional experience in lithium batteries to order assembly storage.
(6) Please carefully read and fully understand this kit and know how to use the product to ensure that you can be familiar with the operation and use it correctly.
(7) Be sure to install it safely.

■ **Disclaimer:**

Kreco is not responsible for any error, and reserves the right to make changes without notice.

Please visit our website at www.krecocharger.com or https://www.ipskre.com for the most up-to-date specifications and contact information.