



例图型号: S360





















■ AC Power Cord Type

AC Power Cord	2/3 pin Euro	2/3 pin USA	2/3 Pin China	2/3 pin UK	2/3 pin AU	2/3 pin JP	2/3 pin KR	2/3 pin IN	3 pin South Africa	IEC320- C13/C5
Yes/No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

■ KRECO Part List

Tuna	Basic	With OLED		
Туре	Model	display		
KRECO P/N	S360	S360M		

■ Features

- Charger for lead-acid batteries (Flooded, Gel, and AGM) and Li-Ion batteries (lithium iron, lithium manganese and lithium nickel cobalt manganese) (Note. 1)
- Universal AC voltage range 90 ~ 264VAC
- Multi-stages smart charging characteristic
- Protections: Short circuit /Overload /Over voltage /Low voltage /Over temperature /Over current /Reverse polarity /Timing /Fully charged shut down /No leaking current drain out of the battery
- High efficiency, Maximum efficiency can be up to 92%
- Class I power, portable type.
- Fan cooling with anti-dust mesh
- 2 color LED loading indicator
- M type with Embed MCU intelligent control, RS485 and CAN2.0B communication for option, OLED display for option, it shows voltage, current, time and SOC percent
- No spark DC plug design when the DC connector plugs into or unplugs from the battery
- No spark design when short circuit protection
- Active zero voltage battery charge input port

■ Applications

Electric vehicles/ Electric bikes

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420W AC-DC Metal Enclosure Battery Charger

- Cleaning machines/ Vacuums
- Drone/ Aerospace/Robot
- Agricultural equipment/Motorcycles
- Scooters/ RC boat/Electric toys
- Cars/ Buses/Electric tool
- Libraries/ Hospitals
- Fire departments/ Telecommunications
- Industry Consumer electronic devices



■ Output Specifications

(Standard):

	Nominal DC Voltage	12V	24V	36V	48V	60V	72V
	Float/Boost Charge Voltage	14.6~16.8V	25.2~29.4V	42~43.8V	54.6~58.8V	67.2~73.5V	75V~89V
	Rated Current	15A	15A	10A	8A	6A	5A
Output	Part List (reference)	14.6v/10-15A	29.2v/10-15A 29.4v/10-15A	42v/7-10A	54.6v/6-8A 58.4v/5-7A	67.2v/5-6A 71.4v/5-6A	84v/4-5A
	Rated Power	219W	441W	420W	408.8W	428.4W	420W
	LED Indicator	CC and CV Charging current > Rated current * 10%: RED; CV Charging current <= Rated current * 10%: GREEN					

■ Technical Specifications

	Voltage Range	90~264VAC		
	Frequency Range	47~63HZ		
	Power Factor	0.65 at 230VAC		
Input	Efficiency	92%		
	AC Current	3A/220VAC		
	Inrush Current	Cold Start < 60A		
	Leakage Current	<3.5mA/240VAC		
	Short Circuit	RED LED Fast Flashing and shut down output voltage;		
	Reverse Polarity			
Protections	Low Voltage	Recovers automatically after fault condition is removed.		
FIOLECTIONS	Over Current			
	Over Voltage	Shut down output voltage, re-power on to recover.		
	Over Load			

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420W AC-DC Metal Enclosure Battery Charger

KRE-S360x series

	Over Temperature	85°C±10°C(RTH2),
Over remperature		automatically derate charge current to half max rated current.
	RS485, CAN2.0B	For option, customized (M type)
Interface	OLED Display	For option, voltage, current, charging time, SOC percent (M type)
	UART	Baud rate: 9600bps, 8 data bits, no parity, 1 Stop Bit
	Working Temp.	-30°C~+60°C
	Working Humidity	20~90% TH non-condensing
Environment	Storage Temp.	-40°C~+85°C,
	Humidity	10~95% TH

	Safety Standards	UL1012, EN/IEC60335, TUV EN62368,PSE J62368 KC K62368		
	Withstand Voltage	I/P-O/P:1.8KVAC, I/P-FG:1.8KVAC, O/P-FG:0.5KVAC		
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC/25 °C/70% RH		
Safety & EMC	FMO Fraissian	Compliance to EN55032 (CISPR32) Class B, EN62233,		
	EMC Emission	EN61000-3-2,-3, EAC TP TC 020		
	FMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55014,		
	EMC Immunity	light industry level, criteria A, EAC TP TC 02		
	Dimension(mm)	264*120*89 (L*W*H); 210*120*83 (L*W*H)(without bending strip)		
Others	Packing	2.1Kg; pcs/ Kgs/ CBM		

■ Pin Assignment

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DC output connector (Standard):

IEC320-C13				
	PIN NO.	OUTPUT		
	N	+V		
	L	-V		

DC output connector (Optional):

4pin XLR UNICABLE 89M103-4P or equivalent				
3 2	PIN NO.	OUTPUT		
4((000))1	1,2	+V		
	3,4	-V		

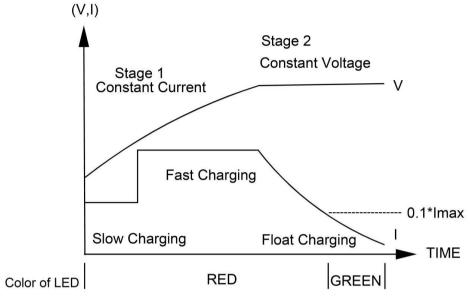
DC output connector (Optional):

	AD1
[housing: Anderson 1327FP(red), 1327G6FP(black)
	contacts: Anderson 261G2 (45A) or equivalent]
	Red(+V) Black(-V)

*Note: -V connected to AC FG

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■ Charging Curve



*Note: This charging curve is for Li-lon battery.

■ Notes

(1) Modification for charger specification may be required for different battery specification.

Please contact battery vendor and KRECO for detail.

- (2) All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
- (3) xxx for Output voltage and yyy for output current, what you are going to order, please must specify to sales.
- (4) M for it with OLED display; V for upgrade version.
- (5) Safety model number differs from the order number, part number, and shape number as per respective OEM/ODM factories.

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

Please visit our website at www.kreco.com.cn for the most up-to-date specifications and quotation by contact us.

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