

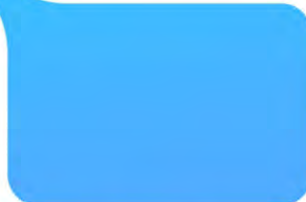


KOSUNPOWER

# KOSUN NEW ENERGY

## PRODUCT CATALOGUE

2021>>>



Technology • Innovation • Future

# PROFESSIONAL INVERTER MANUFACTURERS

# COMPANY PROFILE

**Ningbo Kosun New Energy Co.,Ltd** is a high technology manufacturer. It is established in 2011, located in Ningbo China, the transportation is convenient to Ningbo airport and sea port, only 1 hour driving far from ningbo airport.

Kosun is specialized in researching, developing, manufacturing and marketing for different kinds of the inverter, such as pure sine wave inverter, modified sine wave inverter, UPS inverter, solar charge controller, battery charger, hybrid inverter and other solar products.

Kosun have E-mark, CE, RoHS certification, IATF16949 and ISO9001 quality assurance system. the product have been exported to more than 80 countries and regions. Main market are Germany, France, UK, Dubai, Yemen and Croatia.etc.

Kosun covers 3000 square meters, there are 120 workers in the workshop. the whole of work controlled by ERP system which can ensure the punctual delivery.

We have strictly quality control system, there are 10 QC staff to in charge of the IQC, IPQC, FQC, OQC, this can promise all the products will be in good condition from start to reach the customer. Each unit has individual barcode,so that we can make inspection and records for the whole process of produce.After shipping,it is convneient for us to track the unit condition according to clients feedback and offer them professional after-sales service.

Kosun engineer working in this line for 20 years, your technical problem can be solved in 24hours. kosun aim to provide green, high quality, cost-effective products and services to all the guest.we accept OEM and small trial order, welcome the customer all of the world to contact us and develop the market together. We are waiting for your any inquiry.



# Our strength

## CERTIFICATION



IATF16949



ISO9001



BSCI



Assessment Report



CE-EMC



CE-LVD



RoHS



REACH



UL



RCM-EMC



E-mark



SGS

# SINE WAVE INVERTER SERIES



— RS300P —



— RS500P —



— RS600P —



— RS1000P —



— RS1500P —



— RS2000P —



# SINE WAVE INVERTER SERIES



— RS2500P —



— RS3000P —

## DETAIL PARAMETER

Item		Model							
		RS300P	RS500P	RS600P	RS1000P	RS1500P	RS2000P	RS2500P	RS3000P
OUTPUT	Rated Power	300W	500W	600W	1000W	1500W	2000W	2500W	3000W
	Surge Power	600W	1000W	1200W	2000W	3000W	4000W	5000W	6000W
	Input voltage	DC 12V/24V/48V							
	Output voltage	AC 110V/230V							
	Output frequency	50/60Hz							
	No-load current	<0.35A	<0.42A	<0.44A	<0.57A	<0.63A	<0.67A	<0.73A	<0.81A
	Waveform	Pure Sine Wave(THD<3%) at rated input voltage							
INPUT	Voltage Range	10.8V-15.5V(12V version) 21.6V-31V(24V version)43.2V-62V(48V version)							
	Efficiency	More than 85%							
	Protection	Battery Low Alarm,Battery Low Shutdown,Battery Polarity Reverse by Fuse							
	Battery Types	Open & sealed lead acid battery							
Product dimension(mm)		180×150×70	210×150×70	210×150×70	310×150×70	290×220×90	320×220×90	380×290×90	360×220×150
Product weight		0.95Kg	5.85Kg	5.95Kg	6.8Kg	7.3Kg	7.5Kg	8.3Kg	8.5Kg
Certification		CE-EMC/LVD,ROHS/REACH/IATF16949							
Cooling fan		By load and temperature control							
USB port		5V,2.1V							
Packing	PCS/CTN	6	6	6	4	2	2	2	1
	MEAS(cm)	44×34×43.5	42×34×43.5	42×34×43.5	43.5×41.5×29	43×3.5×37	45.5×30×36	55×30.5×36	55×34×25
	N.w/G.w(kg)	11.5/16.5	12.5/14.8	12.5/14.8	10.8/15.2	10.0/13.5	10.0/13.5	12/15	8.9/10.8



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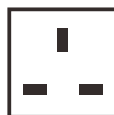
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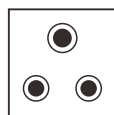
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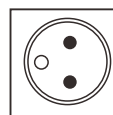
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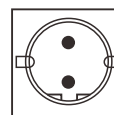
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# SINE WAVE INVERTER SERIES



— **KS300P** —



— **KS500P** —



— **KS600P** —



— **KS1000P** —



— **KS1500P** —



— **KS2000P** —





# SINE WAVE INVERTER SERIES



— KS2500P —



— KS3000P —

## DETAIL PARAMETER

Item		Model							
		KS300P	KS500P	KS600P	KS1000P	KS1500P	KS2000P	KS2500P	KS3000P
OUTPUT	Rated Power	300W	500W	600W	1000W	1500W	2000W	2500W	3000W
	Surge Power	600W	1000W	1200W	2000W	3000W	4000W	5000W	6000W
	Input voltage	DC 12V/24V/48V							
	Output voltage	AC 110V/230V							
	Output frequency	50/60Hz							
	No-load current	<0.35A	<0.42A	<0.44A	<0.57A	<0.63A	<0.67A	<0.73A	<0.81A
	Waveform	Pure Sine Wave (THD<3%) at rated input voltage							
INPUT	Voltage Range	10.8V-15.5V(12V version) 21.6V-31V(24V version) 43.2V-62V(48V version)							
	Efficiency	More than 85%							
	Protection	Battery Low Alarm, Battery Low Shutdown, Battery Polarity Reverse by Fuse							
	Battery Types	Open & sealed lead acid battery							
Product dimension(mm)	130x150x53	210x150x70	210x150x70	310x150x70	290x220x90	320x220x90	380x220x90	360x220x150	
Product weight	0.95Kg	1.7Kg	1.8Kg	2.6Kg	4.0Kg	4.9Kg	5.7Kg	7.8Kg	
Certification	CE-EMC/LVD, ROHS/REACH/IATF16949								
Cooling fan	By load and temperature control								
USB port	5V, 2.1V								
Packing	PCS/CTN	12	6	6	4	2	2	2	1
	KGS/CTN	16.5	14.5	15.5	14.5	11.5	13.5	15	10.5
	MEAS(cm)	44x42x32	45x34x45	45x34x45	45x34x42	45x31x38	45x31x38	56x32x36	56x35x26
	N.w/G.w (kg)	11.5/16.5kg	10.5/14.8kg	11.5/15.2kg	10.5/14.5kg	8.5/11.2kg	10/13.4kg	12/15kg	10.6/8.5kg



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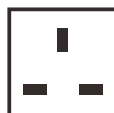
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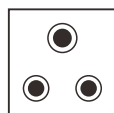
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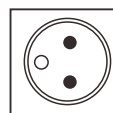
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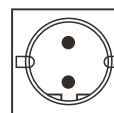
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● The above parameters are for reference only, the specific parameters should be based on the actual product

# MODIFIED SINE WAVE POWER INVERTER



— KS150M —



— KS300M —



— KS500M —



— KS600M —



— KS1500M —



— KS2000M —



# MODIFIED SINE WAVE POWER INVERTER



— KS2500M —



— KS3000M —



## DETAIL PARAMETER

Item		Model							
		KS150M	KS300M	KS500M	KS1000M	KS1500M	KS2000M	KS2500M	KS3000M
OUTPUT	Rated Power	150W	300W	500W	1000W	1500W	2000W	2500W	3000W
	Surge Power	300W	600W	1000W	2000W	3000W	4000W	5000W	6000W
	Input voltage	DC 12V/24V/48V							
	Output voltage	AC 110V/230V							
	Output frequency	50/60Hz							
	No-load current	<0.21A	<0.23A	<0.28A	<0.37A	<0.45A	<0.67A	<0.56A	<0.63A
	Waveform	Pure Sine Wave							
INPUT	Voltage Range	10.8V-15.5V(12V version) 21.6V-31V(24V version) 43.2V-62V(48V version)							
	Efficiency	More than 85%							
	Protection	Battery Low Alarm, Battery Low Shutdown, Battery Polarity Reverse by Fuse							
	Battery Types	Open & sealed lead acid battery							
Product dimension(mm)	120x100x50	120x100x50	150x100x50	210x150x70	250x220x90	290x220x90	320x220x90	320x220x150	
Product weight	0.50Kg	0.65Kg	0.85Kg	1.5Kg	3.5Kg	4.2Kg	4.8Kg	6.3Kg	
Certification	CE-EMC/LVD,ROHS/REACH/IATF16949								
Cooling fan	By load and temperature control								
USB port	5V,2.1V								
Packing	PCS/CTN	16	16	16	6	2	2	2	2
	MEAS(cm)	44x38x34	44x38x34	45x34x45	42x34x45	43x32x36	43x32x36	47x31x36	56x35x26
	N.w/G.w(kg)	10.40/12.4	10.4/15.0	11.5/15.2	11.5/15.4	8.0/9.7	9.6/11.5	10/12.8	13/16.6



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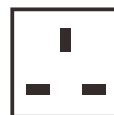
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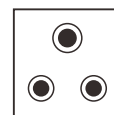
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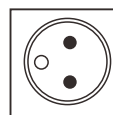
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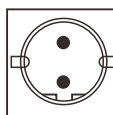
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# PURE SINE WAVE INVERTER WITH CHARGER



— KSC300P —



— KSC500P —



— KSC1000P —



— KSC1500P —



— KSC2000P —



— KSC2500P —



# PURE SINE WAVE INVERTER WITH CHARGER



— KSC3000P —



— KSC4000P —



## DETAIL PARAMETER

Item	Model								
	KSC300P	KSC500P	KSC1000P	KSC1500P	KSC2000P	KSC2500P	KSC3000P	KSC4000P	
Rated Power	300W	500W	1000W	1500W	2000W	2500W	3000W	4000W	
Surge Power	600W	1000W	2000W	3000W	4000W	5000W	6000W	8000W	
Inverter part	DC Input	12V		24V			48V		
	AC Output	110V/230V							
Charger part	AC Input	90~120V/190-265V							
	DC Output	12V		24V			48V		
	Max current	20A		10A			5A		
Output frequency	50/60Hz								
No-load current	<0.35A	<0.40A	<0.42A	<0.53A	<0.63A	<0.72A	<0.78A	<0.85A	
Output wave form	Pure Sine Wave								
Transfer time	<10ms								
USB port	5V 2.1A								
Product function	Bat. low voltage alarm/shut down/over temperature /over voltage/short corciot/reverse [p;arotu/earth leakage/over load								
Product dimension(mm)	230x150x50	310x150x70	370x150x70	380x220x90	410x220x90	320x220x90	41x220x145	480x220x145	
Product weight	2.1Kg	2.3Kg	3.2Kg	5.0Kg	6.2Kg	7.0Kg	8.9Kg	11.5Kg	
Certification	CE-EMC/LVD,ROHS/REACH/IATF 16949								
Cooling fan	By load and temperature control								
Packing	PCS/CTN	8	4	4	2	2	2	1	1
	MEAS(cm)	42x34x44	43x44x33	54x42x30	42x30x36	50x31x37	56x32x40	55x35x26	68x36x27
	N.w/G.w (kg)	15.5/17.5	9.8/13.2	13.0/17.0kg	10.0/13.8kg	12.5/14.8kg	14/16.5kg	9.0/11.3kg	11.5/13.6kg



# MODIFIED SINE WAVE INVERTER WITH CHARGER



— KSC500M —



— KSC1000M —



— KSC1500M —



— KSC2000M —



— KSC2500M —



— KSC3000M —

## DETAIL PARAMETER

Item	Model						
	KSC500M	KSC1000M	KSC1500M	KSC2000M	KSC2500M	KSC3000M	
Rated Power	500W	1000W	1500W	2000W	2500W	3000W	
Surge Power	1000W	2000W	3000W	4000W	5000W	6000W	
Inverter part	DC Input	12V		24V		48V	
	AC Output	110V/230V					
Charger part	AC Input	90~120V/190-265V					
	DC Output	12V		24V		48V	
	Max current	20A		10A		5A	
Output frequency	50/60Hz						
No-load current	<0.23A	<0.23A	<0.30A	<0.34A	<0.38A	<0.42A	
Output wave form	Modified Sine Wave						
Transfer time	<10ms						
USB port	5V 2.1A						
Product function	Bat.low voltage alarm/shut down/over temperature /over voltage/short corciot/reverse [p;arotu/earth leakage/over load						
Product dimension(mm)	210x150x70	310x150x70	360x220x90	380x220x90	410x220x90	360x220x150	
Product weight	2.3Kg	3.2Kg	5.9Kg	6.5Kg	6.5Kg	9.0Kg	
Certification	CE-EMC/LVD,ROHS/REACH/IATF16949						
Cooling fan	By load and temperature control						
Packing	PCS/CTN	6	4	2	2	2	1
	MEAS(cm)	43x35x44	44x42x33	50x30x38	50x31x37	50x31x37	55x35x26
	N.w/G.w (kg)	13.8/14.8kg	12.8/13.8kg	11.8/12.6kg	13.0/14.0kg	13.0/14.0kg	9/10kg



## APPLICATION SCENARIO



Solar conversion

Electricity for the car

Night Camping

Power failure emergency

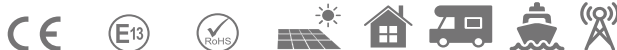


Truck Power

Construction truck Power

Outdoor Office

Household appliances



# OFF-GRID SOLAR INVERTER



— KSC1000PPT —



— KSC1500PPT —

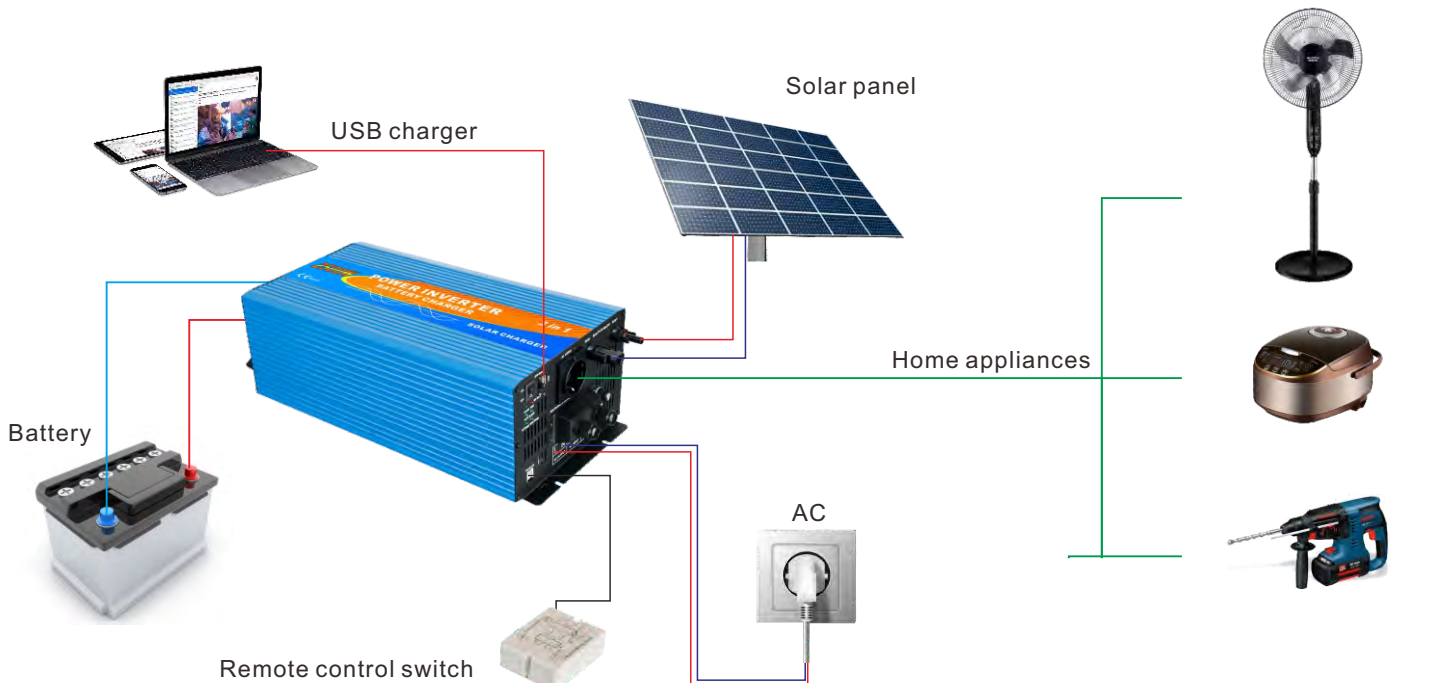


— KSC2000PPT —



— KSC3000PPT —

## CONNECTION DIAGRAM



# OFF-GRID SOLAR INVERTER



## DETAIL PARAMETER

Model	KSC1000PPT	KSC1500PPT	KSC2000PPT	KSC2500PPT	KSC3000PPT		
Rated Power	1000W	1500W	2000W	2500W	3000W		
Surge Power	2000W	3000W	4000W	5000W	6000W		
Frequency	50/60Hz						
Inverter part	Input voltage	12V		24V			
	Input voltage range	10.5-15V		21-30V			
	Output voltage	110V/230V					
	AC regulation	10%					
	Wave form	Pure sine wave(THD<5%)					
	Efficiency	87%	88%	89%	88%	89%	90%
	Low voltage alam	10.5±0.5V	21±1V	42±2V	10.5±0.5V	21±1V	42±2V
	Low voltage shut down	10.0±0.5V	20±1V	40±2V	10.0±0.5V	20±1V	40±2V
	Over voltage shut down	16.0±0.5V	32±1V	64±2V	16.0±0.5V	32±1V	64±2V
	Reverse polarity	FUSE					
	Over load shut down	120% rated power(output voltage shut down.re-power on to recovery)					
	Over temperature shut down	75°C (shut down output voltage, repower on to recovery )					
AC charger part	Input voltage range	110V/230V					
	Charging current	20A	10A	5A	20A	10A	5A
	Output voltage	12V	24V	48V	12V	24V	48V
	Charging way	Automatic 3 stage charging					
Solar charger Part	MPPT charger efficiency	97%					
	PV input voltage range	15-70V	24-70V	48-70V	15-70V	24-70V	48-70V
	PV Solar charge currnet	20A MAX					
Remote control	Optional						
Operating model	UPS mode or saving mode						
Working temperature	0~40°C@100% load; 60°C@50%load						
Working humidity	20%~90%RH non-condensing						
Storage temperature	-30-70°C						
Certification	CE-EMC/LVD,ROHS/REACH/IATF16949						
Packing Information							
Product dimension(CM)	29x22x15	36x22x15	41x22x15	43x22x15	41x22x15		
PCS/CTN	1	1	1	1	1		
CTN Meas(CM)	55x35x26	55x35x26	55x35x26	55x35x26	55x35x26		
N.W/G.W(KG)	6.4	8.5	9.7	10.5	12.0		



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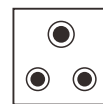
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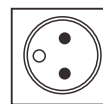
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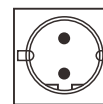
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# SMART BATTERY CHARGER



— **KS1210B** —



— **KS1220B** —



— **KS1230B** —



— **KS1240B** —



— **KS2410B** —



— **KS2420B** —



# SMART BATTERY CHARGER

## DETAIL PARAMETER

Model	KS1210B	KS1220B	KS1230B	KS1240B	KS2410B	KS2420B	KS4805B	KS4810B
Input voltage	AC 110V(90-120V/AC 220V(180-240V))							
Output voltage	DC 12V			DC 24V		DC 48V		
Max charging current	47/63Hz							
Charging way	Automatic 3 stage charging							
	Stage1: Bulk charge Stage2: Absorption charge Stage 3: Float charge							
Efficiency	>85%							
Protection function	Reverse polarity,output short circuit,over temperature							
	Over voltage,over load,over current							
LED indicator	4 LED indicators for different charge status							
Product dimension(MM)	130x150x56	160x150x56	230x150x56	260x150x56	160x150x56	260x150x56	160x150x56	160x150x56
Product Net weight	0.75kg	0.85kg	2.1kg	2.2kg	0.85kg	2.4kg	0.85kg	2.2kg
Certification	CE-EMC/LVD,ROHS/REACH/IATF16949							
Packing Information	Poly bag+EPE+INNER box+Carton 1pc/inner box							
	12PCS/CTN	5PCS/CTN	6PCS/CTN	6PCS/CTN	5PCS/CTN	6PCS/CTN	5PCS/CTN	6PCS/CTN
	Manual+Cables+Fuse							
CTN Meas(CM)	54x42x30	32x45x38	42x42x46	42x42x46	32x45x38	42x42x46	32x45x38	42x42x46
N.W/G.W(KG)	16.5/17.5	14.5/16.5	12.5/14.3	13.6/15.3	16.5/17.5	13.2/15.2	14.5/16.5	13.2/14.9



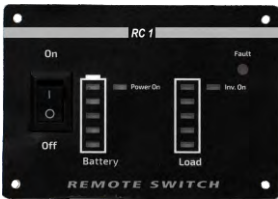
## Dip switch Schematic diagram

Setting	Dip switch	Bulk/Absorption	Float	Battery Type
L	SW0	14.6V		Life PO4
S	SW1	14.8V	13.8V	Flooded
	SW2	15.0V	13.0V	Calcium
	SW3	14.6V	13.6V	AGM
	SW4	14.4V	13.4V	SLA
	SW5	14.2V	13.2V	GEL
Power supply Mode,Constant Voltage Setting				
	SW6	13.8V		
	SW7	12.0V		

# PRODUCT ACCESSORIES



# REMOTE CONTROL SWITCH



RC1



RC2



RC3



RC4

# PACKING WAY





**KOSUNPOWER**



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