

Features:

- Pure sine wave output
- High frequency and efficient with small size
- 100% real power
- Input & output fully isolation
- Microprocessor control system
- Smart temperature & load controlled cooling fan
- Sturdy and durable aluminum alloy case
- USB port for charging most mobile devices (optional type-A & type-C)
- LCD display inverter work status (optional)
- Remote controller (optional)
- Input protection : Reverse polarity (fuse) / Under voltage / Over voltage
- Output protection : Short circuit / Overload / Over temperature
- CE / E-MARK / RCM / c-ETL-us approved



Remote



RJ12 cable



Type-A & Type-C

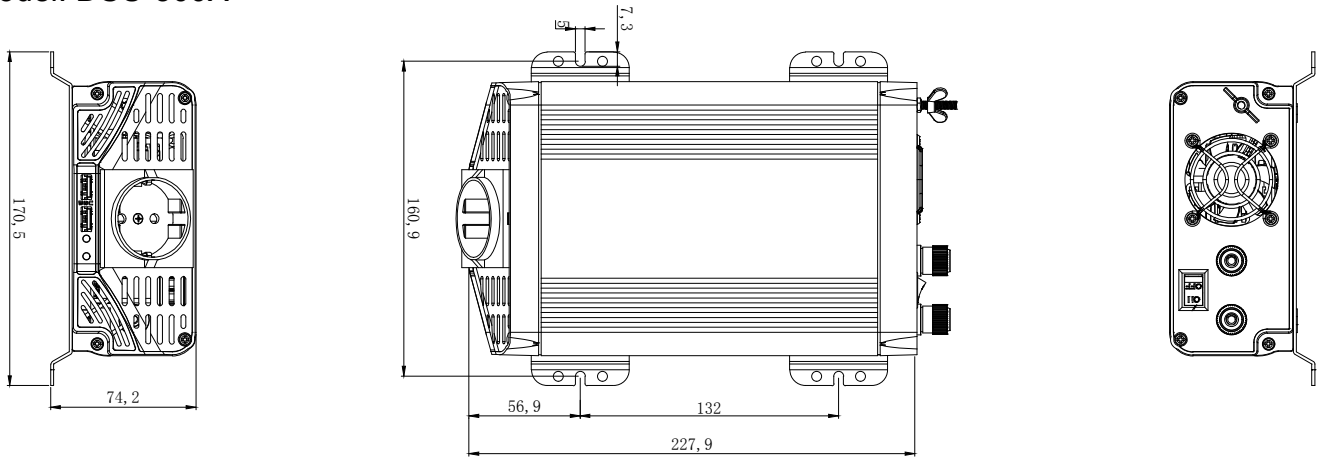


Model			DSU-300X	DSU-600X	DSU-1K0X	DSU-1K5X	DSU-2K0XA	DSU-3K0XA	
Output	Continuous power		300W	600W	1000W	1500W	2000W	3000W	
	Peak power		600W	1200W	2000W	3000W	4000W	6000W	
	No-load output voltage		AC 230V +/- 10V / AC 115V +/- 10V (@ Rated input voltage)						
	Load output voltage		AC 210V -240V / AC 115V +/- 10V (@ Rated input voltage)						
	Frequency		50Hz +/- 0.5Hz / 60Hz +/- 0.5Hz						
	USB output (optional Type-A or C)		Type-A (DC 5V,2100mA) , Type-C (18W max.)						
	Output wave		Pure Sine Wave (THD < 5% @ Normal Load)						
Input	Rated input voltage	12V	DC 13V +/- 0.2V						
		24V	DC 26V +/- 0.4V						
		Operating voltage range	12V	DC 11V - 15V					
			24V	DC 22V - 30V					
	NO load current	12V	≤0.8A	≤1.0A	≤1.1A	≤1.3A	≤1.6A	≤2.0A	
		24V	≤0.4A	≤0.6A	≤0.6	≤0.7	≤0.8A	≤1A	
	Max. efficiency		≥85%	≥85%	≥85%	≥85%	≥85%	≥85%	
Low voltage	Input low-voltage alarm	12V	DC 10.5V +/- 0.3V						
		24V	DC 21V +/- 0.4V						
	Input low-voltage shut down	12V	DC 9.5V +/- 0.3V						
		24V	DC 19V +/- 0.4V						
	Low-voltage recovery (@ No load)	12V	When the input voltage rises to 12V +/- 0.3V, the inverter will automatically resume operation.						
		24V	When the input voltage rises to 24V +/- 0.4V, the inverter will automatically resume operation.						
Over voltage	Input over-voltage shut down	12V	DC 16V +/- 0.3V						
		24V	DC 32V +/- 0.4V						
	Over-voltage recovery (@ No load)	12V	When the input voltage drops to 14V +/- 0.3V, the inverter will automatically resume operation.						
		24V	When the input voltage drops to 28V +/- 0.4V, the inverter will automatically resume operation.						
Over load	Over-load protection		360 - 400W	650 - 750W	1100 -1250W	1550 -1800W	2150 - 2300W	3150 - 3400W	
	Overload Recovery		Reduce the load in the rated power range.						
Over temp	Over Temp. protection		Yes, Heat sink temperature over 80°C +/- 5°C, Shut down output.						
	Over Temp. Recovery		Recover automatically after heat sink temperature goes down to 60°C +/- 5°C.						
Short circuit	Output Short Circuit protection		Yes, Shutdown output .						
	Short Circuit Recovery		After troubleshooting, restart to recover.						
DC Input reverse polarity			Yes, by fuse. Reverse polarity cause irreparable damage to the inverter.						
Environment	Operating Temp.		-15°C ~ +25°C ; 60°C @ 40% power load						
	Storage Temp. & Humidity		-30°C ~ +70°C , 10 ~ 95% RH						
Safety & EMC	Safety Standards		CE : (EN 60238-1) , SAA : (AS/NZS 4763) , c-ETL-us : (UL-458 , CSA C22.2 #107.1)						
	EMC Standards		CE : (EN 61000-6-4 , EN 61000-6-2) , C-TICK : (AS/NZS 61000-6-4)						
	E-mark		E13 , E8						
Others	Fuse	12V	40A*1	35A*2	35A*4	40A*4	35A*7	35A*10	
		24V	20A*1	20A*2	20A*4	25A*4	35*4	30A*7	
	LCD display (if available)		X	Input voltage , Output voltage , Output frequency , Load power , Output current , Fault code					
	Remote control (optional)		X		6 metre cable, RJ12 port				
	Cooling method		Temperature controlled cooling fan						
	Dimension (L x W x D)(mm)		253*171*74	292*171*74	384*210*102		406*250*100	448*250*100	
	Packing		box 5 pcs/ctn 60.5*29*23.5cm		box 3 pcs/ctn 46*43*28.5cm		box 2 pcs/ctn 44.5*35*34.5cm	box 2 pcs/ctn	
	Application		Home and office appliances, portable power equipment, vehicle, yacht and off-grid Solar power systems ...etc.						
	Socket Type								

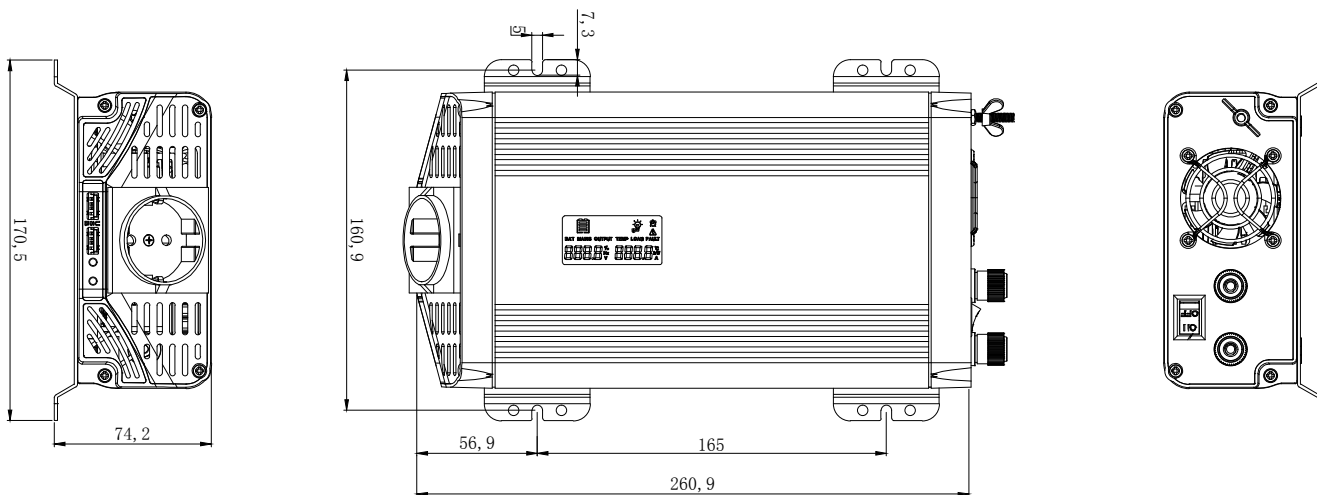
Model			DSU-2K0X	DSU-2K5X	DSU-3K0X
Output	Continuous power		2000W	2500W	3000W
	Peak power		4000W	5000W	6000W
	No-load output voltage		AC 230V +/- 10V (@ Rated input voltage)		
	Load output voltage		AC 210V -240V (@ Rated input voltage)		
	Frequency		50Hz +/- 0.5Hz / 60Hz +/- 0.5Hz		
	USB output (optional Type-A or C)		Type-A (DC 5V,2100mA) , Type-C (18W max.)		
	Output wave		Pure Sine Wave (THD < 5% @ Normal Load)		
Input	Rated input voltage	12V	DC 13V +/- 0.2V		
		24V	DC 26V +/- 0.4V		
	Operating voltage range	12V	DC 11V - 15V		
		24V	DC 22V - 30V		
	NO load current	12V	≤1.6A	≤2.0A	≤2.0A
		24V	≤0.8A	≤1A	≤1A
	Max. efficiency		≥85%	≥85%	≥85%
Low voltage	Input low-voltage alarm	12V	DC 10.5V +/- 0.3V		
		24V	DC 21V +/- 0.4V		
	Input low-voltage shut down	12V	DC 9.5V +/- 0.3V		
		24V	DC 19V +/- 0.4V		
	Low-voltage recovery (@ No load)	12V	When the input voltage rises to 12V +/- 0.3V, the inverter will automatically resume operation.		
		24V	When the input voltage rises to 24V +/- 0.4V, the inverter will automatically resume operation.		
Over voltage	Input over-voltage shut down	12V	DC 16V +/- 0.3V		
		24V	DC 32V +/- 0.4V		
	Over-voltage recovery (@ No load)	12V	When the input voltage drops to 14V +/- 0.3V, the inverter will automatically resume operation.		
		24V	When the input voltage drops to 28V +/- 0.4V, the inverter will automatically resume operation.		
Over load	Over-load protection		2150-2300W	2650-2850W	3150-3400W
	Overload Recovery		Reduce the load in the rated power range.		
Over temp	Over Temp. protection		Yes, Heat sink temperature over 80°C +/- 5°C, Shut down output.		
	Over Temp. Recovery		Recover automatically after heat sink temperature goes down to 60°C +/- 5°C.		
Short circuit	Output Short Circuit protection		Yes, Shutdown output .		
	Short Circuit Recovery		After troubleshooting, restart to recover.		
DC Input reverse polarity			Yes, by fuse. Reverse polarity cause irreparable damage to the inverter.		
Environment	Operating Temp.		-15°C ~ +25°C ; 60°C @ 40% power load		
	Storage Temp. & Humidity		-30°C ~ +70°C , 10 ~ 95% RH		
Safety & EMC	Safety Standards		CE : (EN 60238-1) , SAA : (AS/NZS 4763)		
	EMC Standards		CE : (EN 61000-6-4, EN 61000-6-2), C-TICK : (AS/NZS 61000-6-4)		
	E-mark		E13 , E8		
Others	Fuse	12V	35A*7	30A*10	35A*10
		24V	35*4	25A*7	30A*7
	LCD display		Input voltage , Output voltage , Output frequency , Load power , Output current , Fault code		
	Remote control		6 metre cable, RJ12 port		
	Cooling method		Temperature controlled cooling fan		
	Dimension (L x W x D)(mm)		532*288*142		
	Packing		corrugated box 1 pc/ctn 60*38*25cm		
	Application		Home and office appliances, portable power equipment, vehicle, yacht and off-grid Solar power systems ...etc.		
	Socket Type				

 Mechanical Drawings (mm) :

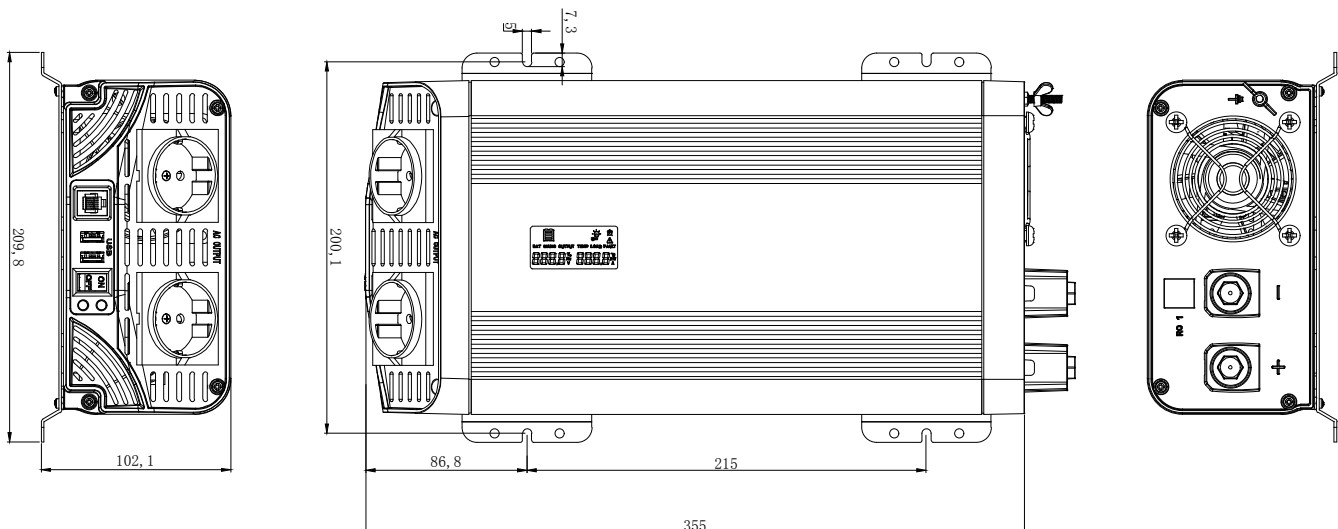
Model: DSU-300X



Model: DSU-600X / DSU-600XC

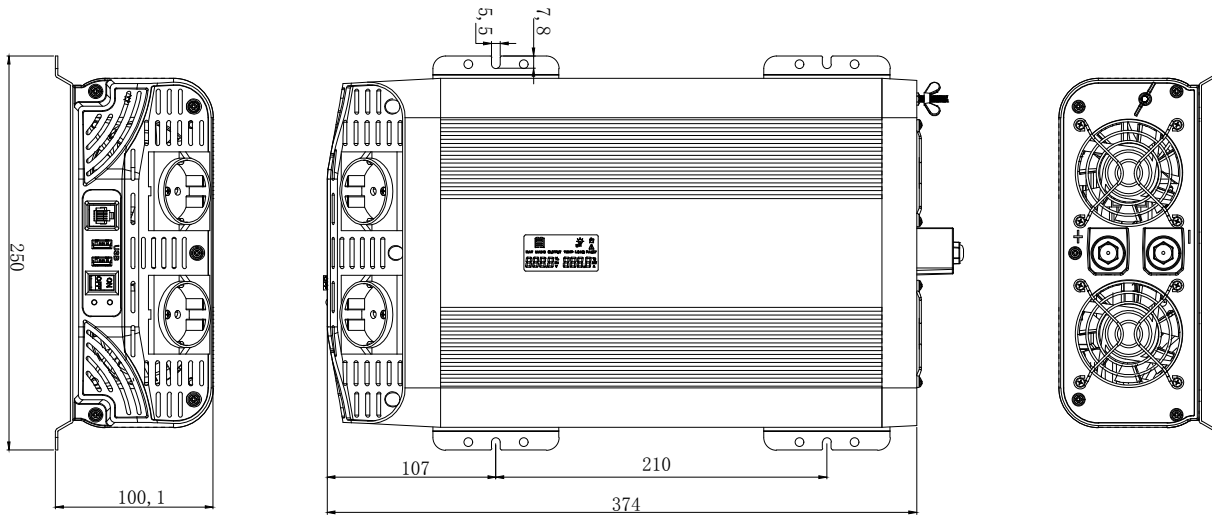


Model: DSU-1K0X / DSU-1K5X / DSU-1K0XC / DSU-1K5XC

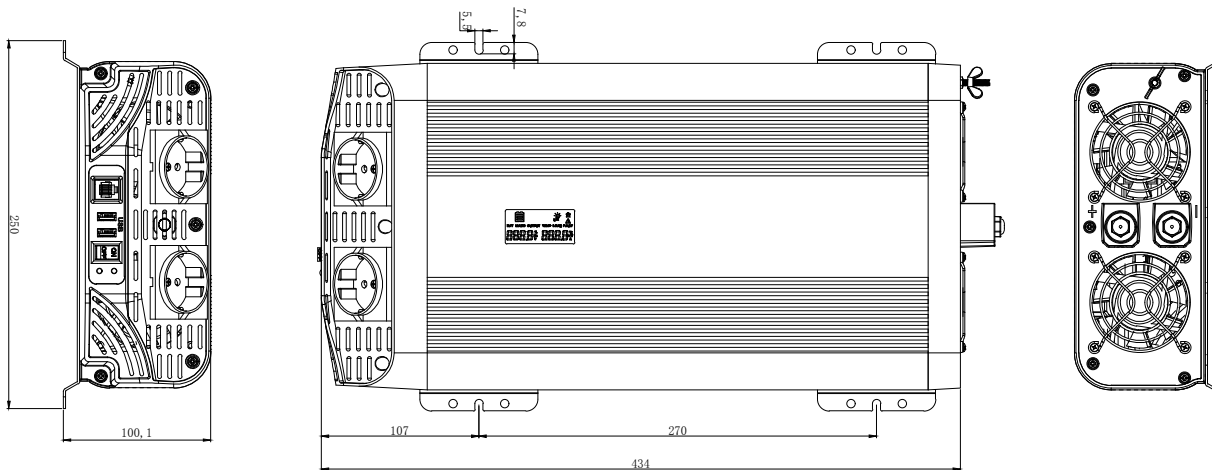


 Mechanical Drawings (mm) :

Model: DSU-2K0XA / DSU-2K0XC



Model: DSU-3K0XA / DSU-3K0XC



Model: DSU-2K0X / DSU-2K5X / DSU-3K0X

