



**2U 19" / 23" Rack-Mount Model
2U 19" / 23" Open Frame Cabinet Model
RM-UIPSW2KVA Series
Pure Sine Wave Inverter**

**RM-UIPSW122KVA/E
RM-UIPSW242KVA/E
RM-UIPSW482KVA/E
RM-UIPSW1102KVA/E
RM-UIPSW2202KVA/E**

1. Features

- Pure sine wave output (THD < 3%) R Load
- By pass function
- Inverter mode / UPS mode
- Output frequency: 50 / 60Hz switch
- RS – 232 interface / remote controls port / Wire connection to PC
- Wired Remote control
- Loading controlled cooling fan
- Advanced microprocessor
- Protection : Input low voltage Overload Short circuit
 Low battery alarm Input over voltage Over temperature

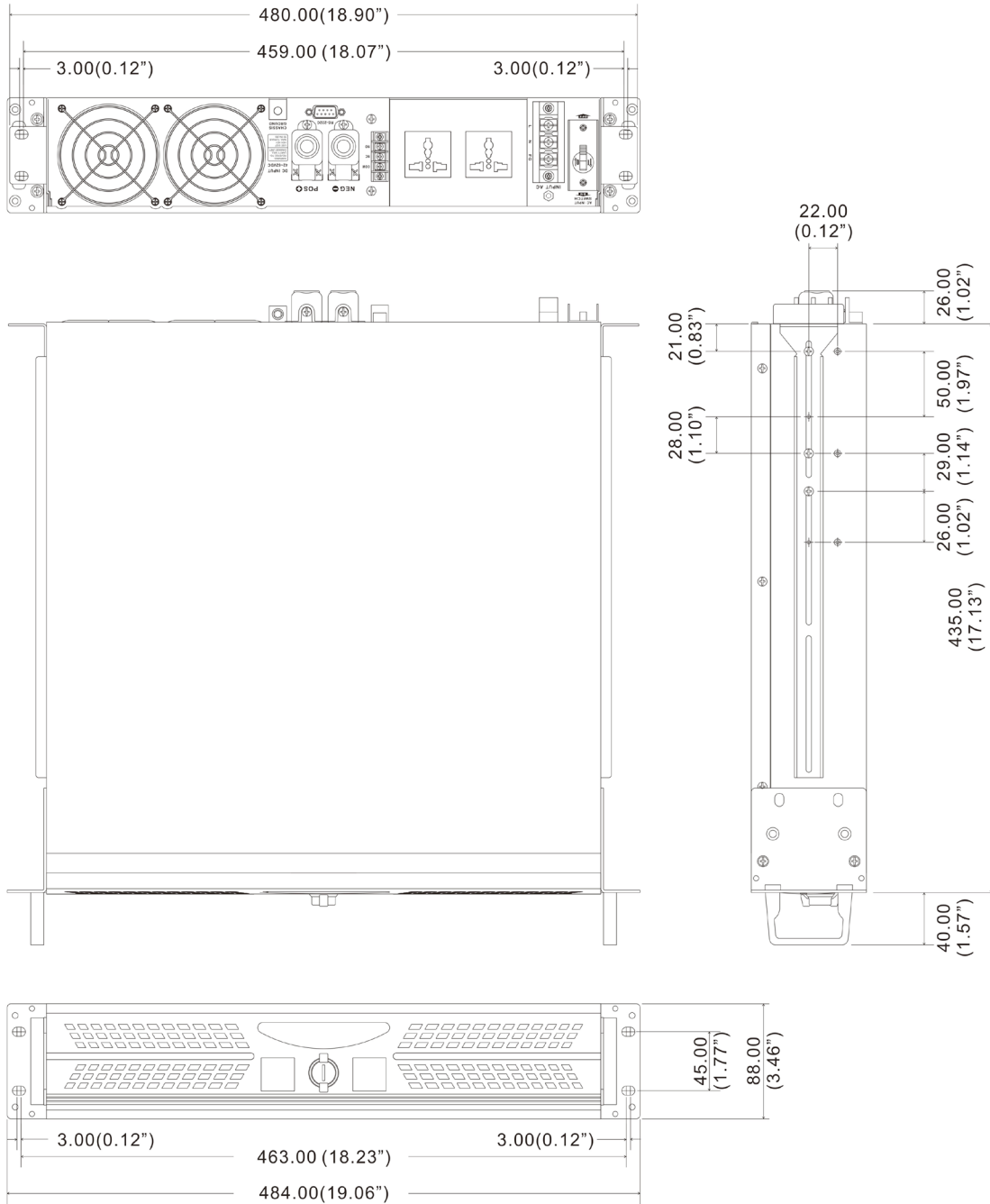
1-1 Utilities Application

- 1-1-1 Power tools – circular saws, drills, grinders, sanders, buffers, weed and hedge trimmers, air compressors.
- 1-1-2 Office equipment – computers, printers, monitors, facsimile machines, scanner.
- 1-1-3 Household items – vacuum cleaners, fans, fluorescent and incandescent lights, shavers, sewing machines,
- 1-1-4 Kitchen appliances – microwave ovens, refrigerators and freezers, coffee makers, blenders, ice markers, toasters.
- 1-1-5 Industrial equipment – metal halide lamp, high – pressure sodium lamp.
- 1-1-6 Home entertainment electronics – television, VCRs, video games, stereos, musical instruments, satellite equipment.

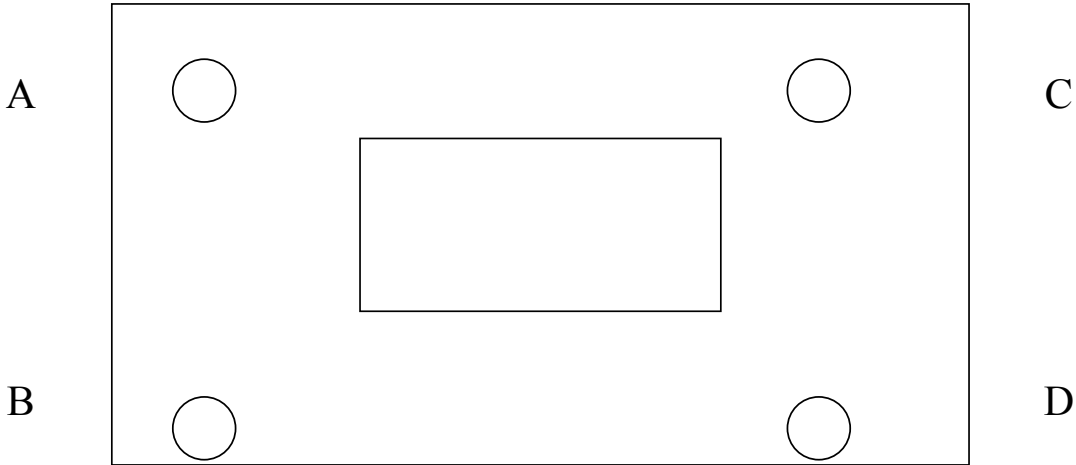
1-2 Electrical Performance

Specification		Model									
Item		RM-UIPSW 122KVA (2U)	RM-UIPSW 242KVA (2U)	RM-UIPSW 482KVA (2U)	RM-UIPSW 1102KVA (2U)	RM-UIPSW 2202KVA (2U)	RM-UIPSW 122KVAE (2U)	RM-UIPSW 242KVAE (2U)	RM-UIPSW 482KVAE (2U)	RM-UIPSW 1102KVAE (2U)	RM-UIPSW 2202KVAE (2U)
Continuous Output Power		2000W									
Surge Rating	3Min.	2300W									
	3Sec.	2500W									
Peak		4000W									
Input Voltage		12V	24V	48V	110V	220V	12V	24V	48V	110V	220V
Frequency		50/60Hz ± 0.05% (Switch Selectable)									
Output Voltage Adjustment		100~120VAC(Tune VR)				200~240VAC(Tune VR)					
Peak Output Current		36A				18A					
Efficiency (full load)		86%	88%	90%	94%	94%	87%	90%	92%	94%	94%
No Load Current Draw		1.45A	0.7A	0.45A	0.38A	0.18A	1.47A	0.8A	0.47A	0.4A	0.2A
Output Waveform		R Load Pure Sine Wave <3% THD									
P.F.		1.0				1.0					
Input Voltage Regulation		10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC	10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC
DC Input over voltage alarm		15.5VDC	31VDC	61VDC	135VDC	270VDC	15.5VDC	31VDC	61VDC	135VDC	270VDC
DC Input over voltage shut-down		16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC	16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC
DC Input under voltage alarm		10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC	10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC
DC Input under voltage shut-down		10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC	10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC
Protection		Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Input Voltage, Over Temperature									
Digital Display		OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz									
Safety		EN60950-1									
EMC		FCC Class A				EN 55022: 2006 · Class A EN 61000-3-2: 2006 EN 61000-3-3: 1995+ A1:2001+A2:2005					
Interface Control Port		RS-232 With Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)									
Remote Control Unit		Optional			Can't support		Optional			Can't support	
AC Input		110V AC (90~130V)				220V AC (180~260V)					
AC Frequency		(50Hz ~ 60 Hz) ± 3%				(50Hz ~ 60 Hz) ± 3%					
Bypass		4~10ms				4~10ms					
		Inverter mode or UPS mode by switch									
Operating Temperature Range		-20°C to 50°C									
Storage Temperature Range		-30°C to 70°C									
Cooling		Loading controlled cooling fan									
Dimensions		435(L) ×424(W) ×88(H) mm									
Weight		12.8kgs									

1-3 Mechanical Drawings



Display Instructions



- A: Inverter Fault
- B: Back Mode
- C: UPS Mode
- D: Inverter Mode