

110VDC to 220VAC 500VA ~ 10.000VA Pure Sine wave Inverter

The pure sine wave inverter is specially designed for electricity and communication systems. It is a conversion device that converts electricity from the mains city ac voltage or batteries do voltage to a continuous and purified AC power apply for computers and other electrical equipment. To prepare for the instability of the city electricity and power cuts. It prevents various distortions of utility power also, such as power supply voltage drop, surge voltage, spike voltage, and broadcast frequency interference.

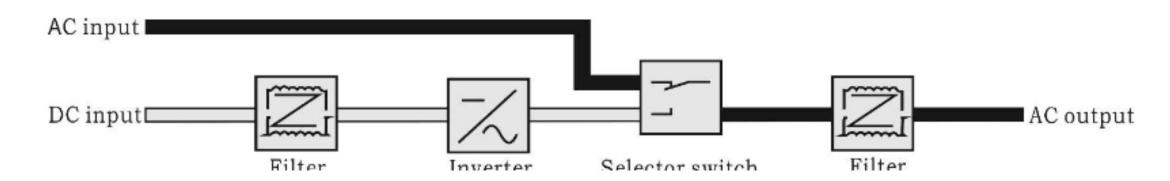






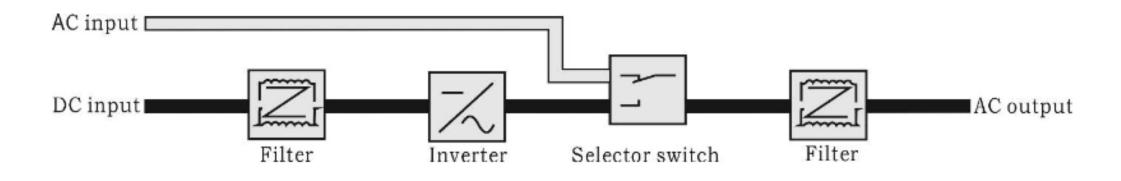
AC Mains bypass mode

• In the AC mains bypass mode, the mains power is switched to the output via a relay, and the mains bypass directly supplies power. When the main fails, it automatically switches to the inverter and is powered by the battery or DC to ensure uninterrupted power supply to the equipment.



Inverter mode

• In the inverter mode, after the DC boost inverter is reversed, it is switched to the output via a relay and directly powered by the battery or DC. When the inverter fails, it automatically switches to the bypass and is powered by the mains to ensure the uninterrupted power supply of the equipment.





SPECIFICATION	OF 110VDC	INDITT	CEDIEC
SPECIFICATION	OF HUVDG	INPUL	

	11 01 31	ERIES									
	MEM	MEM	MEM2	MEM	MEM	MEM5	MEM	MEM8	MEM		
Model	500	1000	000	3000	4000	000	6000	000	10000		
	110V	110V	110V	110V	110V	110V	110V	110V	110V		
DC INPUT											
Rate input Voltage/Vdc	110VDC										
Rate input Current/A	4.3A	8.3A	16.6A	24.9A	33.4A	36.6A	51.3A	68A	85A		
Input dc range Voltage	DC shut down voltage range : 90V—145V DC start up voltage range : 94V142V										
Reverse noise Current	Start up voltage range . 34 v142 v ≤10%										
		A	C Bypass	input							
Allow bypass voltage (Vac)			JI		0VAC±20)%					
Rate input current/A	1.8A	3.6A	7.2A	10.8A	14.5A	18.2A	21.8A	29A	36A		
Bypass conversion time/ms					≤5ms						
AC Output											
Rated output Capacity/KVA	0.5K	1K	2K	3K	4K	5K	6K	8K	10K		
Rated output power/W	400	800	1600	2400	3200	4000	4800	6400	8000		
Rated output voltage and frequency	220Vac , 50Hz										
Rate output current/A	1.8	3.6	7.2	10.8	14.5	18.2	21.8	29	36.3		
Output voltage accuracy/V	220Vac±1.5%										
Output frequency accuracy/Hz	50±0.1%										
Waveform distortion rate	JU±U.1 /0										
(THD)	≤3% (Linear load)										
Dynamic Response	5% (Load 25% ← → 100%)										
Power Factor/PF	0.8										
Over load ability	≥100%~125% , 10mins; 125%~150% , 15seconds; 150% , shut down Immediately										
Efficiency	≥85% (80% Resistive load)										
Bypass conversion time/ms	≥5ms										
Operating Environment											
Insulation strength (input and output)	1500Vac , 1min										
Noise/1m	≤40dB										
Operating temperature	-25°C~+50°C										
Humidity	0~90%, no cooling										
Altitude /m	5°-30 /6 , 110 Cooling ≤1000										
Protection											
Protect function	Input lower voltage, input overvoltage protection; output overload protection, output short circuit protection										
Dimension-mm/Weightkg											
ABCD definition A. 82(W)*44(H)*300(D)1U – B. 482(W)*88(H)*335(D)2U C. 482(W)*88(H)*368(D)2U D. 482(W)*176(H)*440(D)2U	0.5/1/2 3/4/5/6	KVA 2KVA 5KVA		J							

C

12

AB

6/7

C

13

C

14

C

15

D

20

D

22

Weight/Kg Note: The rated output power with error $500 \text{VA} \pm 50 \text{W}$; 1-10KVA is $\pm 100 \text{W}$

AB

4.8/6

AB

5/6

Rack Mount