

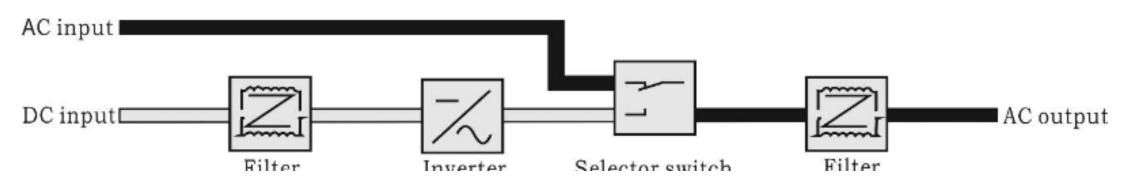
48VDC to 220VAC 500VA ~ 10.000VA Pure Sine wave Inverter

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 dc 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.



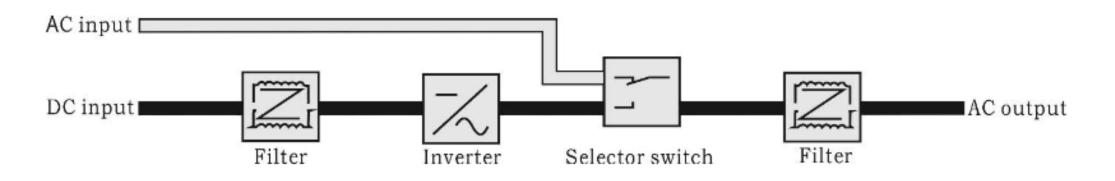
• AC Mains bypass mode

• 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 48VDC INPUT SERIES

ModelMEM 500+MEM 1000-MEM 2000-MEM 2000-MEM 500+MEM 500+MEM 600-MEM 600-MEM 600-MEM 1000-TOTA Voltage/VdcRate input Voltage/VdcValue Value Value ValueValue Value Value ValueValue Value Value ValueValue Value Value ValueValue Value Value Value ValueValue Value Value Value Value Value ValueValue Value Value Value Value Value ValueValue Value Value Value Value Value Value Value ValueValue Value Value Value Value Value Value<	SPECIFICATION OF 40 VDC INPUT SERIES										
	Model										
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Rate input Voltage/Vdc Rate input Current/A9.8A19A38A57A9.8A117A156A196AInput de range Voltage Reverse noise Current9.8A19A38A57A9.8A117A156A196AInput de range Voltage Reverse noise Current7.2A9.8A117A156A196ASpease conversion diméme7.2A9.8A11.8A21.8A		48	48			48	48	48	48	48	
Voltage/Vdc9.8.4 <td colspan="11">· · · · · · · · · · · · · · · · · · ·</td>	· · · · · · · · · · · · · · · · · · ·										
Rate input Current/A9.8A19A38A57A77A98A117A156A196AInput dc range Voltage <table< td="">USUNCENT USUNCENT USUNCEN</table<>	-	48VDC									
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	V	0.0 4	10.4	20 4	E7 A	77 1	00 4	1174	156 4	1064	
Input de range voltageIDC start up view view view view view view view view	Kate input Current/A	9.0A	19A						150A	190A	
Neverse noise Current/A 1.8 C Bypass input Current/A 1.8 A B, 3.6 A 7.2 A 10.8 A 18.2 A 18.2 A 21.8 A 29 A 36 A Rate input current/A 1.8 A 3.6 A 7.2 A 10.8 A 4K 5K 6K 8K 10K 8 C Strip Colspan=10 A 1.8 A 18.2 A 18.2 A 18.2 A 18.2 A 18.2 A 18.2 A 19.2 A 36 A 1.8 A 19.2 A 19.2 A 36 A 1.8 A 19.2	Input dc range Voltage										
AC Bysics volumeAllow bypass voltage1.8A3.6A7.2A14.5A14.5A2.1A29A36ABypass conversion dime/ms1.8K3.6K7.2A1.8K4.K5.K6.K8K10KBypass conversion dime/ms0.5K1.KK2.K3.K4.K5.K6.K8K10KRated output Capacity/KVA0.5K1.KK2.KK3.KK4.KK5.KK6.K8K10KRated output voltage4.008.0016.002.4003.2004.0004.8006.4008.000Rated output voltage6.001.6002.4003.204.0004.8006.4008.000Rated output voltage6.001.6002.4003.204.8006.4008.000Rate output voltage6.001.6002.4003.201.81.83.63.6Rate output voltage accuracy/V1.83.67.214.814.818.22.83.6Output voltage accuracy/V1.83.67.214.814.518.22.83.6Output voltage accuracy/V1.83.67.214.814.818.22.83.6Output voltage accuracy/V2.55.5 <td>Reverse noise Current</td> <td colspan="9"></td>	Reverse noise Current										
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$\begin{tabular}{ c c c c c } \hline c c c c c c c c c c c c c c c c c c $		1.8A	3.6A	7.2A				21.8A	29A	36A	
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Rated output power/W4008001600240032004000480064008000Rated output voltage Output frequency $>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>$		AC Output									
power/w40080016002400320040004800640080008000Rated output voltage </td <td>Rated output Capacity/KVA</td> <td>0.5K</td> <td>1K</td> <td>2K</td> <td>3K</td> <td>4K</td> <td>5K</td> <td>6K</td> <td>8K</td> <td>10K</td>	Rated output Capacity/KVA	0.5K	1K	2K	3K	4K	5K	6K	8K	10K	
nower/WImage: Second Seco	Rated output	400	800	1600	2400	3200	4000	4800	6400	8000	
Output frequencyImage: Second Se	power/W	400	000	1000	2400	5200	4000	4000	0400	0000	
Rate output current/A1.83.67.210.814.518.221.82936.3Output volage accuracy/V $220VAC\pm1.5\%$ $220VAC\pm1.5\%$ 21.8 2936.3Output frequency accuracy/Iz $50\pm0.1\%$ or $60\pm0.1\%$ $50\pm0.1\%$ or $60\pm0.1\%$ $50\pm0.1\%$ or $60\pm0.1\%$ Waveform distortion rate (THD) 33% ($Linear$) $50\pm0.1\%$ or $60\pm0.1\%$ $50\pm0.1\%$ or $60\pm0.1\%$ Dynamic Response 5% ($Load$ $25\% \leftarrow \rightarrow 100\%$) 50% 50% 50% Power Factor/PF 2100% ~125\% , $10mi$ s; 125% ~150\% , $15sconds$; 150% , $shut$ dwn ImmediatelyOver load ability 2100% ~125\% , $10mi$ s; 125% ~150\% , $15sconds$; 150% , $shut$ dwn ImmediatelyBypass conversion time/ms 2100% ~125\% , $10mi$ s; 125% ~150\% , $15sconds$; 150% , $shut$ dwn ImmediatelyBypass conversion time/ms 55% (80% Resistive loadOperating temperature -25% C~+ 50% COperating temperature -25% C~+ 50% CHumidity -25% C·+ 50% CAltitude /m 1500 vor voltage input overvoltage protection; output short circuit protectionProtect functionInput lower voltage, input overvoltage protection; output short circuit protectionAl2(W)*88(H)*330(D)1U0.5/1/2/3KVA $482(W)*88(H)*335(D)2U0.5/1/2/3KVA$ 482(W)*88(H)*336(D)2U0.5/1/2/3KVA $482(W)*176(H)*440(D)2U8/10/12/15KVA$ Agack MountABABABCCCDWeight/Kg4.8/65/66/7121314152022		220VAC±20%									
$\begin{tabular}{l lllllllllllllllllllllllllllllllllll$											
Output frequency accuracy/HzS0±0.1% or 60±0.1%Image: S0±0.1% or 60±0.1%Waveform distortion rate (THD)S0±0.1% or 60±0.1%S0±0.1%S0±0.1%Dynamic ResponseS0±0.1% or 60±0.1%S0±0.1%S0±0.1%Power Factor/PFS0±0.1%S0±0.1%S0±0.1%Over load abilityS100%~125%, 10mins; 125%~150%, 15seconds; 150%, shut down ImmediatelyBypass conversion time/msS100%~125%, 10mins; 125%~150%, 15seconds; 150%, shut down ImmediatelyBypass conversion time/msS100%~12%Ver load abilityS100%~12%Bypass conversion time/msS100%~12%S0erating temperatureS100%~12%Operating temperatureS100%Operating temperatureS100%, no colingAltitude /mS100%S1000000000000000000000000000000000000	Rate output current/A	1.8	3.6	7.2				21.8	29	36.3	
Waveform distortion rate (THD)Solution SolutionDynamic ResponseSolutionPower Factor/PFSolutionOver load ability $\geq 100\% \sim 125\%$, $10mist$; $125\% \sim 150\%$, $15seconts; 150\%, shut dvertImmediatelyDynamic Response\geq 100\% \sim 125\%, 10mist; 125\% \sim 150\%, 15seconts; 150\%, shut dvertImmediatelyEfficiency\geq 100\% \sim 125\%, 10mist; 125\% \sim 150\%, 15seconts; 150\%, shut dvertImmediatelyBypass conversion time/ms\geq 100\% \sim 125\%, 10mist; 125\% \sim 10\%, 15seconts; 150\%, shut dvertImmediatelyInsulation strength (Input and output)= 1500\% \sim 12\%, 10mist, $	Output voltage accuracy/V							_			
rate (THD)Sign (Linear load)Dynamic Response $= V = V = V = V = V = V = V = V = V = V$		50±0.1% or 60±0.1%									
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$		≤3% (Linear load)									
Over load abilitySecond Second Secon	Dynamic Response	5% (Load 25% $\leftarrow \rightarrow 100\%$)									
Over road abilityImmediatelyEfficiency $= \cdot \cdot$	Power Factor/PF	0.8									
Bypass conversion time/msSet Set Set Set Set Set Set Set Set Set	Over load ability										
Operating University Unive	Efficiency	≥85% (80% Resistive load)									
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Bypass conversion time/ms	≤5ms									
Noise/1m $\leq = 1 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +$	Operating Environment										
Operating temperature Image: Second Sec	Insulation strength (input and output)	1500Vac , 1min									
Humidity $0 < 0 < 0 < 0$ Altitude /m $0 < 0 < 0 < 0$ SelectionProtect functionInput lower voltage, input over voltage protection; output over voltad protect in; output short circuit protectionAltitude /m $0 < 0 < 0 < 0$ Protect function $0 < 0 < 0 < 0$ Input lower voltage, input over voltage protection; output short circuit protection $0 < 0 < 0 < 0 < 0$ Altitude /m $0 < 0 < 0 < 0 < 0$ Altitude /m $0 < 0 < 0 < 0$ Protect function $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ Altitude /m $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0$ $0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 <$	Noise/1m	≤40dB									
Altitude /m ≤ 1000 Protect function $Protect functionProtect function482(W)*48(H)*33(P)2U4/5/KVAABBABABCCCCDDRack MountABABABCCCCDDWeight/Kg4.8/65/66/7121314152022$	Operating temperature	-25°C~+50°C									
$\begin{array}{ c c c c c } \hline Protect \ function & \hline Pro$	Humidity	0~90% , no cooling									
Protect functionInput lower voltage, input overview protective, output of protective, output short circuit protectiveA482(W)*44(H)*300 U1U0.5/1 / SKVA $482(W)*88(H)*35(U)2U - 0.5/1 / SKVA$ 482(W)*88(H)*36(U)2U0.5/1 / SKVA482(W)*88(H)*36(U)2U0.5/1 / SKVA482(W)*88(H)*36(U)2U	Altitude /m	≤1000									
Dimension-Weight-kg 482(W)*44(H)*300(D)1U0.5/1/2/3KVA 482(W)*88(H)*35(D)2U0.5/1/2/3KVA 482(W)*88(H)*368(D)2U4/5/6KVA 482(W)*176(H)*440(D)2U8/10/12/15KVA Rack Mount AB AB AB C C C D D Weight/Kg 4.8/6 5/6 6/7 12 13 14 15 20 22											
482(W)*44(H)*300(D)1U0.5/1/2/3KVA 482(W)*88(H)*335(D)2U0.5/1/2/3KVA 482(W)*88(H)*36(D)2U4/5/5KVA 482(W)*176(H)*440(D)2U8/10/12/15KVA Rack Mount AB AB C C C D D Weight/Kg 4.8/6 5/6 6/7 12 13 14 15 20 22	Protect function	I	-			-	erload protecti	on, output shor	t circuit protec	tion	
482(W)*88(H)*368(D)2U4/5/6KVA 482(W)*176(H)*440(D)2U8/10/12/15KVA Rack Mount AB AB AB C C C D D Weight/Kg 4.8/6 5/6 6/7 12 13 14 15 20 22											
Rack Mount AB AB AB C C C C D D Weight/Kg 4.8/6 5/6 6/7 12 13 14 15 20 22											
Weight/Kg 4.8/6 5/6 6/7 12 13 14 15 20 22					482(
Note: The rated output power with error 500VA \pm 50W: 1-10KVA is \pm 100W									20	22	

Note: The rated output power with error 500VA \pm 50W; 1-10KVA is \pm 100W