

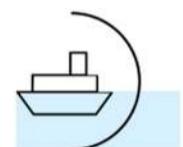
Pure Sine Wave Inverter

eRAY series

12Vdc / 24Vdc 400W – 2KW



eRAY inverter could supply a steady pure sine wave AC to various load on board, such as power tools, coffee machine, microwave or sensitive electronics. It could bring home comfort and convenience for your life or work on board.



- Pure sine wave output with full power at 35C
- High frequency design featuring compact and light weight
- 200% surge capability
- High efficiency up to 90%
- Low status consumption power
- Power save mode through dip switch
- Thermal control fan
- With built in USB charger, 5V 2A
- With dry contact input and output
- Complete protection with reverse polarity protection
- Remote control available



Model No.	IH400L / M	IH700L / M	IH1000L / M	IH1500L / M	IH2000L / M
-----------	------------	------------	-------------	-------------	-------------

DC Input

Nominal voltage (VDC)	12 / 24				
Voltage range (VDC)	10.5 ~ 16.0 / 21.0 ~ 32.0				
Input under - voltage protection (VDC)	10.5 ± 0.5 / 20.0 ± 1.0				
Input over - voltage protection (VDC)	16 ± 0.5 / 33± 1.0				
No load current	≤ 0.5A	≤ 1.0A	≤ 1.0A	≤ 1.1A	≤ 1.3A
Power saving mode	N / A			≤ 0.3A	
Current when power off	≤ 3mA				

AC Output

Continuous output power @ 35° (W)	400	700	1000	1500	2000
Maximum output power (1min) (W)	440 ± 5%	770 ± 5%	1150 ± 5%	1600 ± 4%	2150 ± 2%
Surge Power (1sec)	800	1400	2000	3000	4000
Output voltage	230VAC ± 5%				
Output frequency	50 / 60 ± 0.5Hz				
Output waveform	Pure sine wave				
Total harmonic distortion	< 3% @ nominal load				
Short circuit protection	< 5s, auto - restart				
Efficiency (max)	90%				

DC Output

USB Output voltage	N / A	5 ± 0.25VDC			
USB Maximum output current	N / A	2A			

Protection

Input protection	over / under voltage protection, reverse polarity (interner fuse)				
AC output protection	over load, short circuit				
Others	over temperature				

Other Data

AC output connector	sockets / WAGO terminal				
DC output connector	N / A	USB socket x 1			
Communication	N / A	RS485			
Enclosure	aluminum with anodized, flame proof plastic				
Dimension (mm) (max)	222 x 166 x 64	313 x 187 x 96	403 x 256 x 99		
Net weight (KGs)	1.2	1.7	2.4	4.6	4.8
Cooling	temperature and load controlled fan				
Noise	< 55dB				
Protection	IP20				

Safety & EMC

Safety	EN60950 - 1				
EMC	EN61000 - 4 -2, 3, 4, 5, 6, 8, 11: EN61000 - 3 -2, - 3 - 3; EN55022 calss B; EN55024				
E - mark	CISPR25; ISO7637 - 2				

Environment

Operating ambient temperature	- 20°C ~ 40°C				
Storage temperature range	- 30°C ~ 70°C				
Storage humidity	10% ~ 95% RH				