



Advanced Technology Applications Qualified

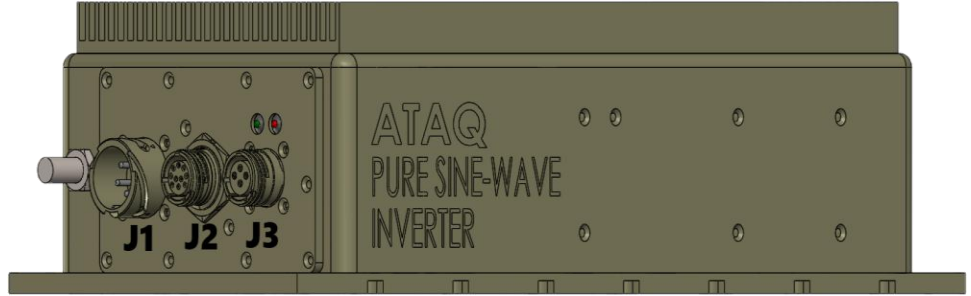
ATAQ İLERİ TEKNOLOJİ A.Ş.

ATQ-INV400M

www.ataq.com.tr

ATQ SERIES (MILITARY)
18-36VDC INPUT / 400W OUTPUT
(ISOLATED PURE SINUS WAVE INVERTER)

"Achieve Total Assurance and Quality in Power."



FEATURES TABLE

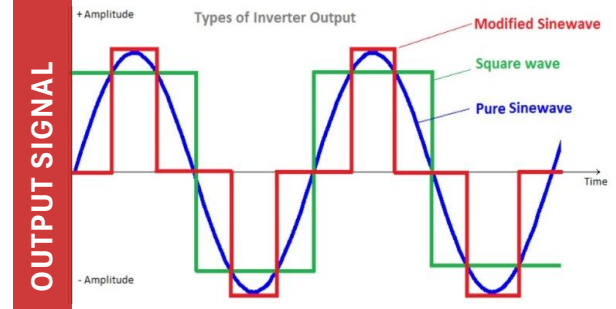
Feature	Specification	Details
☐ Wide Input Voltage ☐ Efficiency ☐ Switching Frequency ☐ Output Signal ☐ Output Regulation ☐ Overload Protection ☐ Maximum input current ☐ Output Power ☐ Remote On/Off ☐ Protection ☐ Isolation Voltage	18 – 36 VDC (Nominal 28VDC) Up to 90% SPWM Pure sine wave 230VAC / 50Hz / 1.74A > 2A 24Amp. 400W Yes Fully (OTP/OCP/OVP/UVLO) -Input/Output 3000 VAC isolation, -Input/Ground 500 VAC isolation, -Output/Ground 1500 VAC isolation < 2% 20Vpp 0.2% 3% 5.5 kg (-40°C to +60°C) (-40°C to +100°C) 1 year 90,000 hours at 40°C Mountability in any orientation -With the use of input / output filters (CE102, RE102) -Complaint -Complaint -Complaint -Complaint -Vibration, Shock, Relative, IP64, Humidity	☐ Over-Temperature, Over-Current, Short-Circuit, Over-Voltage, Under-Voltage Lockout protection. ☐ Turned-off by the ON/OFF input. ☐ Complies with safety standards for reliable operation. ☐ Convection and conduction cooling ☐ PC control interface (CAN &USB) ☐ Automatic shutdown at main chassis temperature +105°C (±5°C) ☐ 304.8 L x 160.5 W x 87.63 H mm ☐ Disable function for low input voltage to protect batteries from harmful discharges. ☐ Maximum average power protection and maximum output peak current protection (Semiconductors are protected even if a short circuit occurs at the output.) ☐ Input current in Standby mode 30mA ☐ Standby mode: If the load is < 10 W, standby mode for 30 seconds (after 30 seconds, the output power is checked again) ☐ Under-voltage protection hysteresis 3-5V (0.5Vdc steps) ☐ LED indication (Output voltage OK, Input voltage OK, Output Current OK) ☐ The use of highest quality components
☐ THD(Total Harmonic Dist.) ☐ Ripple ☐ Line Regulation ☐ Load Regulation ☐ Weight ☐ Operating Temperature ☐ Storage Temperature ☐ Warranty ☐ MTBF ☐ Mounting Method ☐ MIL-STD-461F		
☐ MIL-STD-1275 ☐ MIL-STD-704 ☐ MIL-STD-1399/300B ☐ EN60950-1 ☐ MIL-STD-810		



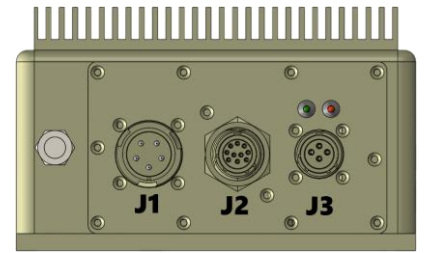
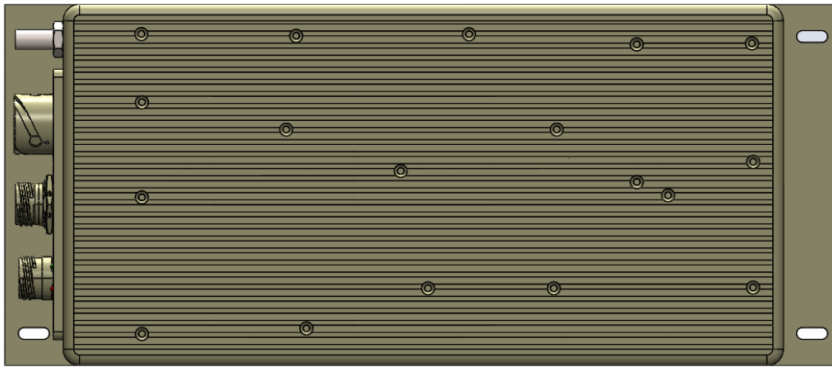
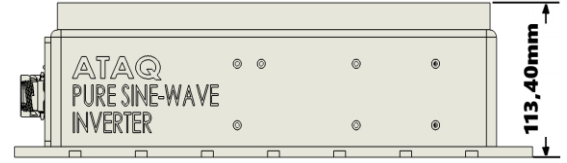
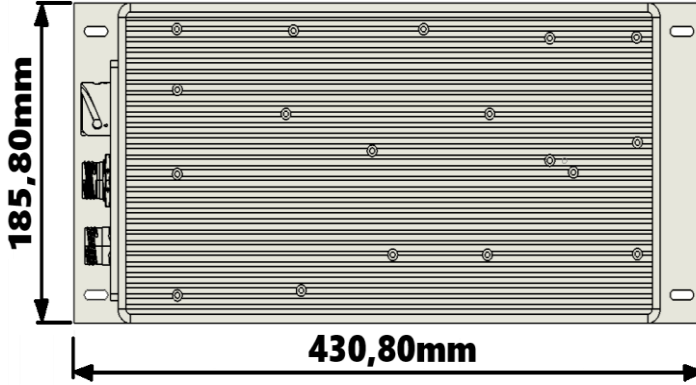
MILITARY PURE SINE WAVE INVERTER

USAGE FIELDS

- ❑ Military Applications (COTS)
- ❑ Marine & other demanding environments
- ❑ All mobile MIL applications as tanks and trucks
- ❑ Shelters and other building equipment
- ❑ Critical industrial applications
- ❑ Wheeled & Tracked Profile
- ❑ Ruggedized to meet sections of STANAG4370, MIL-STD-810, MIL-STD-461, MIL-STD-704, MIL-STD-1275, MIL-STD-1399/300B



MECHANICAL SPECIFICATION:



NOTE: The product information and specifications may be subject to changes even without prior written notice. The product has been designed for various applications; its suitability lies in the responsibility of each customer. The products are not authorized for use in safety-critical applications without ATAQ's explicit written consent. A safety-critical application is an application where a failure may reasonably be expected to endanger or cause loss of life, inflict bodily harm, or damage property. The applicant shall indemnify and hold harmless ATAQ, its affiliated companies, and its representatives against any damage claims in connection with the unauthorized use of ATAQ products in such safety-critical applications.

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