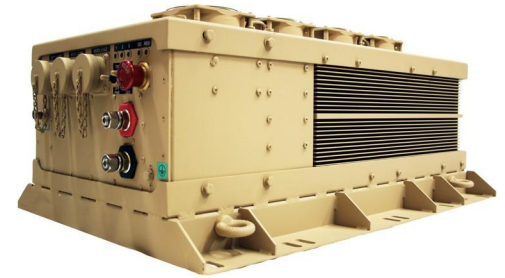


Pure Sine Wave Inverter System - PS10KEEPK



HDM's PS10KEEPK Pure Sine-Wave Inverter System provides a superior AC source for your complex electrical and frequency sensitive equipment. It provides up to 10,000W of continuous AC power for mobile and stationary applications such as satellite communication equipment, digital surveillance cameras, portable computers, and emergency medical equipment. Compact and ruggedized design, the PS10KEEPK inverter system will ensure a clean and low distortion AC power at sea and on the road.

ELECTRICAL	
DC Input Nominal Voltage	24Vdc
DC Input Voltage Range	20 ~ 33Vdc
DC Input Under Voltage Lockout	< 19Vdc in 10 Seconds, < 16Vdc Immediate
DC Input Under Voltage Auto-Recovery	> 26.4Vdc
DC Input Over Voltage Protection	> 34Vdc
No Load Current Draw	
ON state	< 12Adc @ 24Vdc
Sleep Mode	< 0.5Adc @ 24Vdc
AC Output Power ¹	10,000W Continuous, 0.8 PF
AC Output Surge Rating	20,000W for 2 Seconds, 0.8 PF
AC Output Waveform	Pure Sine-Wave
AC Output Voltage	Vo1: 120V _{AC} (L1-N1) Vo2: 120V _{AC} (L2-N2) Vo3: 240V _{AC} (L1-L2)
AC Output Frequency	60(±0.5%)Hz
AC Output Voltage Regulation	±2% Vout
Distortion (THD)	< 3%
High Temperature Shutdown	≥ +85(±5)°C (Internal Threshold)
High Temperature Auto-Recovery	+45°C (Hysteresis)
Sleep Mode	Iout < 1.5A _{AC} for > 6 hours
Efficiency	90% Typ
Isolation (Input-Output)	1260V _{AC}
Battery Type	AGM, Flooded Lead Acid Batteries
MECHANICAL	
Dimensions (LxWxH)	28.9 x 19.3 x 12.8"
Weight	137 lbs
Construction	Black Anodized Aluminum, CARC Tan Coated
INTERFACE / SWITCH / LED	
DC Input Connection	(2) 1/2-13 Stud Terminals
AC Output Connection	Vo1: MS3452L28-22S Socket Receptacle with Dust Cap Vo2: MS3452L28-22S Socket Receptacle with Dust Cap Vo3: MS3452L28-22SW Socket Receptacle with Dust Cap
CAN Connection	D38999/24FA98SN Socket Receptacle
E-Stop Switch	On/Off System Main
Power Switch	On/Off AC Output
LED Switch	On/Off LED Light
LED Connection	Vo1, Vo2, Vo3, DC, REV
ENVIRONMENTAL	
Cooling	External Waterproof Cooling Fans
Operating Temperature	-40 ~ +52°C ¹
Storage Temperature	-46 ~ +71°C
MTBF Prediction ²	69,600 Hrs



Industry-Leading Features

- High Density
- High Surge Capability
- Best Thermal Performance
- Splash Proof Watertight Design
- Sleep Mode To Minimize Idling Drain Current
- Multi-Stage Output Short Circuit Protection
- Load Dump And Voltage Transient Protection
- External Waterproof Fans

Operational & Protection Features

- Input Reverse Polarity Protection
- Input Low Voltage Shutdown
- Input Over Voltage Shutdown
- Output Over Current Protection
- Output Short Circuit Protection
- Output Over Voltage Protection
- High Temperature Shutdown
- Auto-Recovery Function
- Sleep Mode

Applicable Performance Requirements

- Meets IPX6 Requirement
- Ruggedization for MIL-STD-810G
- Compliancy for MIL-STD-1275E & MIL-STD-461F

Model	Output Power	Surge Power	Input/Output Voltage
PS10KEEPK	10,000W	20,000W	24VDC / 120VAC (L1-N1), 120VAC (L2-N2), 240VAC (L1-L2)

Specifications typical at 25°C unless otherwise stated and are subject to change without notice.

1. Rated output power for PS10KEEPK will derate above TBD°C ambient temperature.
2. Calculated per Bellcore TR-NWT-000332 method at 50% stress, +40°C. Products are covered by 1 year limited warranty.

PB-PS10KEEPK 20190708-1000

