

10kW Vehicle Inverter



10kW INVERTER

DRS Technologies' 10kW DC-AC export power inverter meets the need for increased power demands on vehicles and is designed to operate in the harshest of environmental conditions, including vibration, shock, high temperature and humidity. Our inverter contains safety protection such as output short circuit; input reverse polarity protection; and over temperature protection. Additionally, the inverter is free of sharp edges, and protects the user from high voltage and high temperature exposure.

The Inverter design employs simple circuit topologies built from highly reliable components. Control of the inverter output is ensured by a high performance DSP running specialized algorithms within the embedded firmware.

A low distortion, sinusoidal output voltage results which meets the steady state and transient requirements of MIL-STD-1332B Class 1 Precise.

All these features ensure the user receives the best functional performance, with exceptional reliability, at the lowest operational and maintenance cost.

FEATURES

- **IP56 rated, protected against dust and water ingress**
- **High Efficiency for reliable operation in high temperature environments**
- **Meets MIL-STD-461F, Army Ground, EMI requirements**
- **High overload capabilities to accommodate high inrush motor starting**
- **Lightweight, high density package, allows for flexible mounting options**



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SPECIFICATION	DRS 2KW	JLTV SPECIFICATION
IP Rating	IP67	IP67
Operating Temperature	-40 - 80° C	-40 - 52°C
Vibration / Shock to SAE		MIL -STD-810
EMI	FCC Class A (CE)	
CISPR 25 Class 2 (RE)	MIL-STD-461	
Reliability	No Fan Required & Sealed	No Fan & Sealed
Efficiency	92%	
Input Voltage	18-32VDC	20-33VDC
Output Voltage	120VAC	120VAC
Frequency	60Hz	60Hz
Output Power	2000W (continuous)	1800
Communications	CANBUS	CANBUS
HMI	LCD Display	
Data Logging Capabilities	Yes	
Total Harmonic Distortion	True Sine Wave < 3%	< 6%
Sleep Mode	< 0.015W	
GFCI	Yes	Yes
Surge Rating	3000W	
Prognostics/ Diagnostics	Yes	Yes
Load Dump Protection	Yes	
Weight	<30lbs	
Protection:	Yes	Yes
Over Temp	Yes	Yes
Overload Protection	Yes	Yes
Short Circuit	Yes	Yes
Over/Under Voltage	Yes	Yes
AC Backfeed	Yes	Yes
Reverse Polarity (Fuse)	Yes	Yes