

INV Auxiliary Inverter Series

The INV60 Series are a high-efficient DC/AC inverters that convert high-voltage DC power into split phase AC power (120/240 VAC) required to drive AC accessory loads directly from the High Voltage DC drive or battery bus. Liquid cooled DC-AC inverter operates at input of high voltage DC BUS and power range up to 6000 W. The DC-AC inverter utilizes CAN communication to the vehicle controller which allows operational modes and frequency selection.

Features & Benefits

- Typical efficiency 93 %
- Single and three phase configuration possible (3 x 400 VAC)
- Output power up to 6 kW (1 unit) to max. 36 kW (6 units)
- Output power first 10 sec 8 kW to start-up electric motors
- Flexible output connectivity
- Exportable pure sine wave AC power (50/60 Hz)
- Full galvanic isolation between input and output
- Wide ambient operational temperature range
- SAE J1939 compliant CAN bus communication interface
- SAE J1455 compliant environmental standards
- IP65 and IP67 protection rating
- Over temperature, output overvoltage and over-current protection
- Vibration immunity meets military level
- Mating connector kits available:
350INV60-CON-KIT-xG and 700INV60-CON-KIT-xG



Model	Input Voltage Range [VDC]	Max. Input Current [ADC]	Output Voltage [VAC]	Nom. Output Current [A]	Output Power [W]	Ambient Operating Temperature [°C]	Cooling	Dimensions (W x H x L) [mm / in]
350INV60 Series								
350INV60-120-240-9G	240 - 430	34	120/240	25	6000	-40 to +85	Liquid	374 x 163 x 384 / 14.72 x 6.42 x 15.12
700INV60 Series								
700INV60-120-240-9G	400 - 850	22	120/240	25	6000	-40 to +85	Liquid	374 x 163 x 384 / 14.72 x 6.42 x 15.12

