

Isolated Vehicle Power Adapter, DC 18–72V Input, Dual 5V/12V Outputs, Compatible with 48V Vehicle Batteries, M12 Connectors

Overview

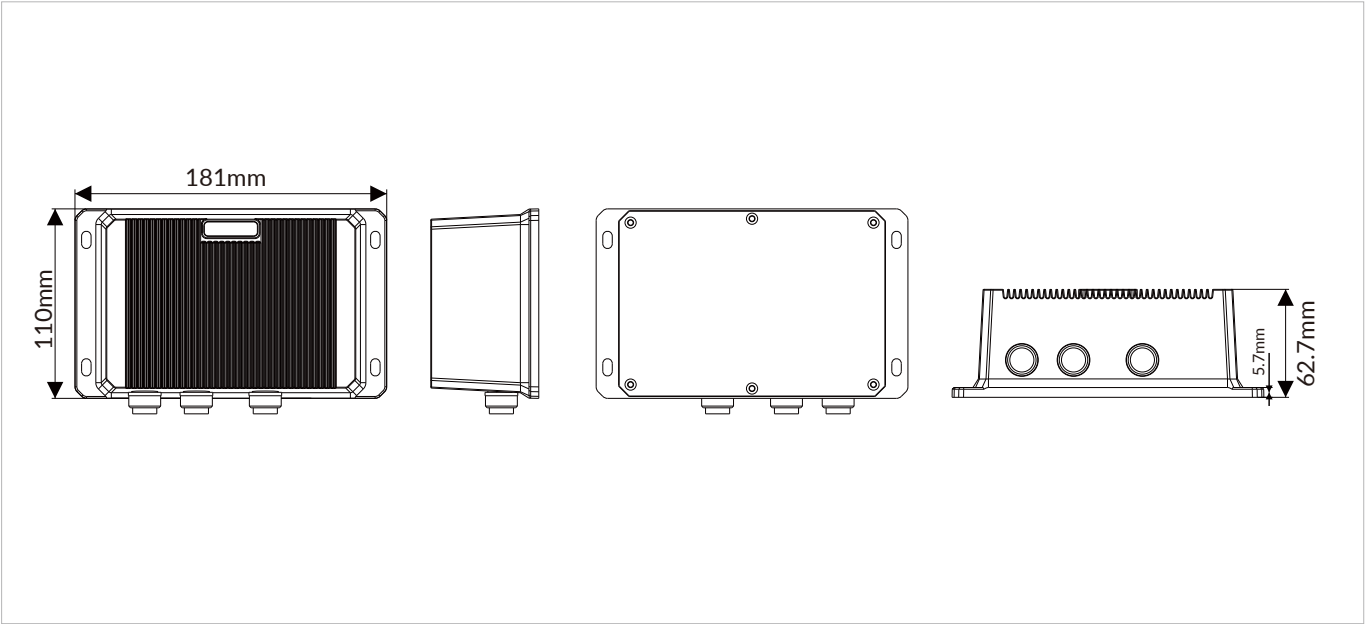
The PWR1872D512-M12 is an industrial-grade vehicle regulated power supply that features a wide-range 18–72V DC input and dual independent regulated outputs of 5V DC and 12V DC. It is designed for vehicle-mounted terminals operating on 48V power supply systems in construction machinery and special vehicles. It is equipped with an all-metal housing, flange mounting lugs with fixing holes, and standard M12 connectors. It operates reliably across a wide temperature range from -30°C to +60°C, with full protection functions including reverse polarity, over voltage, over current, short circuit and over temperature protection. It complies with CE and FCC EMC standards, and offers excellent vibration resistance for harsh outdoor vehicle environments.



Specifications

Power Input	
Input Voltage	18 to 72V DC
Input Current	10A @12V DC
Power Output	
Output Voltage / Current	- 12V DC, 4A - 5V DC, 3A
Voltage Adjustment	3%
Overvoltage Protection	Yes
Overcurrent Protection	Yes
Short Circuit Protection	Yes
Environment	
Operating Temperature	-30 to 60°C (-22 to 140°F)
Storage Temperature	-30 to 70°C (-22 to 158°F)
Relative Humidity	95% @ 70°C (158°F), non-condensing
Mechanical	
Dimensions (W x D x H)	181 x 112 x 62.7 mm (7.1 x 4.4 x 2.47 inches)
Weight (N.W.)	1.2 kg (2.65 lbs)
Mounting Mode	Flange Mounting
Material	Die-casting Aluminum with Heavy Duty Metal
Certification	
EMC	CE, FCC

Dimensions



Ordering Information

Part No.	Description
PWR1872D512-M12	18 to 72VDC Input, 5V/12VDC Output, M12 connector