

DC/DC converter



- » High efficiency up to 96% (low power loss)
- » Synchronous rectification technology for efficient conversion
- » IP67 waterproof – suitable for harsh environments
- » Field-proven durability: shock-resistant, drop-proof, moisture-resistant, and dust-proof
- » Integrated protection functions: Smart protection, overheating and overcurrent protection
- » Temperature-resistant filter design with internal capacitor/filter configuration
- » No isolation between input and output (common ground)
- » Voltage range: 9 – 60 V, current max 6A

Electrical specifications

Input voltage	9 - 60 V DC $\pm 1\%$
Max . rated current	6A
Max . rated power	72W
Typical no-load current	45 mA
Output voltage	DC19V ± 0.25 V
No load loss	22 mA @ 12Vin
Efficiency	96%
Load regulation	2%
Ripple & noise	300 mV (Full Load)

Environmental conditions

Operating temperature	-20°C – +80°C
Storage temperature	-40°C – +85°C
Humidity	90%, non-condensing
Warranty	2-year warranty

Physical specifications

Dimensions	74.5 x 73.8 x 31.5 mm
Weight	0.3 kg
Housing	Enclosed aluminum housing
Cooling	Free air convection
Packaging	Static Bag
Overheating protection	150°C
Short-circuit protection	Yes
Water resistance	IP67
Undervoltage protection	Yes
Over voltage protection	Yes
Over current protection	Yes

Order numbers

Item number	Description
ACC-GEN-PWR5	Power adapter for vehicle power supply, 9–60 V input, 19 V/6 A, 5.5 mm round plug

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