

HWZ Isolated DC/DC Converter

● Features

HWZ high efficiency isolated DC/DC Converter is specially designed for electric car, electric forklift as well as electricity utilization system and so on. It adopts the international advanced digital simulation mixed control technique. Input and output are completely isolated. So it is more safe. It is blessed with these characteristics: small size, easy installation, high conversion efficiency, can full load ran for a long time, low static state power, output voltage stabilization, comprehensive protect function, high reliability, long service. Build-in flow equalize circuit in parallel, when the single module power is not enough, it can directly adopt multi-modules in parallel dilatation. Build-in electronic switch directly with key switch, slow control current, and avoid arc discharger and adhesion when keys on and off. Tree ester embedment waterproof and ant-vibration inside guarantee vehicles applying in any hostile environment.

● Technical Parameters

Power Nominal Rating: 240W-300W

Input Voltage: DC 36V-156V

Output Voltage: 12V 13.5V 24V

Output Voltage Ripple: $\leq 1\%$

Efficiency: $\geq 90\%$

Output Short Circuit Protection: Yes

Input Reverse Polarity Protection: Yes

Operating Temp: -30°C — $+60^{\circ}\text{C}$

Storage Temp: -40°C — $+85^{\circ}\text{C}$

Indication Function: red light input, green light output

Thermal Protection: thermal switch cuts at +85 °C and resets at +80 °C

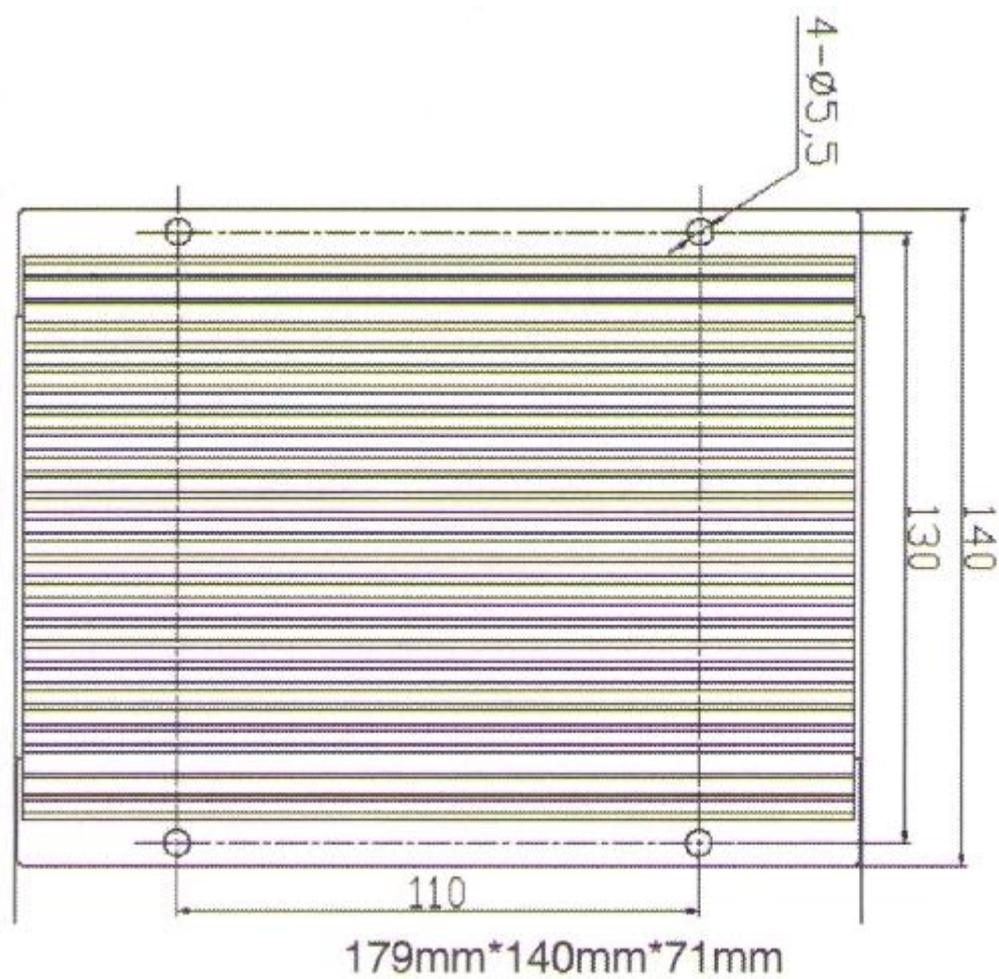
Electronic Switch: inside, control key switches

Shake and Vibration: SAEJ1378

Environmental Enclosure: IP66

Authentication: Applying for approvals of CE

● Installation



- **Contact way**

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