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## 50KW photovoltaic inverter dedicated current sensor JCE108-TS7

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Company name: [Ningbo Jincheng Electronic Technology Co., Ltd.](#)

Category: [Power Supply Category >> Sensor](#)

### Current sensor JCE208-TS7

Utilizes high-performance Hall elements and adopts the Hall closed-loop principle to realize electrical isolation measurement of DC, AC or pulse current. The measured current is proportional to the measured current. It has good accuracy, linearity and stability, and adopts UL94-V0 standard. The insulating shell.

Used in various industries such as variable frequency speed regulation, battery power supply, DC motor drive detection, welding machine power supply, servo motor, uninterruptible power supply UPS, inverter power supply and so on.

### The main technical parameters

Rated measuring current  $I_{PN}$  : 200A

Measuring range  $I_P$  : 0~ ± 300 A

Rated measurement output  $I_M$  : 100mA

Power supply voltage (±5%) : ± 12V~ ± 15V

Conversion ratio  $K_N$  : 1:2000

Current consumption  $I_C$  : ≤ 28(@ ±12 V )+  $I_S$  mA ( output measurement current)

Accuracy X : —Accuracy  $X_G$  ( @  $V_{PN}$  ,  $T_A = +25\text{ }^\circ\text{C}$  ) : ± 0.6%

—Non - linearity  $\epsilon_L$  ( @  $V_{PN}$  ,  $T_A = +25\text{ }^\circ\text{C}$  ) : < 0.1%

- zero offset current the  $I_O$  : ≤ ± 0.15mA ( @ +25 deg.] C )

- zero point temperature drift the  $I_{OT}$  : ≤ ± of 0. The 44mA ( @ - 10 deg.] C ~ + 70 deg.] C )

- Response time  $T_{R\&lt}$  ( @ 90% of  $V_P$  max ) : ≤ 1 US

- operating frequency F : the DC-100KHz

Withstand voltage  $V_d$  : Withstand voltage between the primary circuit and the secondary circuit: 6 kV/50Hz/1min

Working temperature  $T_A$  : -10°C~+70°C

Storage temperature  $T_S$  : -25°C ~+80°C

Secondary side internal resistance  $R_S$  : 21 Ω (  $T_A = 70\text{ }^\circ\text{C}$  )

Weight m : 79g × (1±10%)

Standard: EN50178

