

HK-J series 3.3KW IP67 Sealed Battery Charger Specification

- HK-J series 3.3KW charger is designed for electric vehicle battery and battery management interface. The product not only has high efficiency, small size, high stability, long life and other advantages, but also has a high degree of protection, highly reliable, full-featured protection and other features. The ideal power source for charging electric vehicles. Built-in thermal sensing device gives thermal overload protection that is automatically reset when cooled. Fully sealed encapsulation process, up to IP67 protection class, you can employ in any difficult environment without causing failure. Main features: Full casting process, Air Cooling (modular optional) can work reliably under conditions -40- + 60 degrees.
- **Weight** 3.9kg without heatsink or fan.
- **SPECIFICATIONS**

| Model | | HK-J-H99-40-XXCANXXX/X-001 |
|----------------------------|---------------------|-------------------------------|
| I N P U T | Input Voltage | AC 85~265V |
| | Frequency | 45-65Hz |
| | Input Current | 16A |
| | Power Factor | ≥0.99 at over half power |
| | Efficiency | ≥94% at full power |
| | Idle Power | ≤5W |
| O U T P U T | Output | CV / CT |
| | Output Range | 25-99V |
| | Output current Lim. | Maximum 40A |
| | Output Power | 3300W @220vac or 1600W@110VAC |
| | Voltage Accuracy | ±1% |
| | Current Accuracy | ±2% |
| | Ripple voltage | 5% |

| A U X. O U T P U T | | 12V Power Supply |
|--|------------------|------------------|
| | Output Voltage | 12.5V |
| | Current Rating | 5A |
| | Current Accuracy | ±2% |
| | Max. Current | 5.5A±0.5A |
| | Output Power | ≥62.5W |
| | Ripple Voltage | 1% |

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| P R O T E C T I O N | Input Overvoltage | AC270±5V |
| | Input Undervoltage | AC80±5V |
| | Output Overvoltage | 1% over max voltage limit stops output |
| | Output Undervoltage | 5% below minimum voltage stops output |
| | Output Overcurrent | 1% over max. output current stops output |
| | Over Temp. Protection | 85deg C starts reduced power, over 90deg stops output |
| | Short Circuit Protection | Output stops |
| | Reverse battery protection | Blown Fuse |
| | Ground Protection | ≤0.1milliohms |
| | CAN Com. Protection | Communication failure stops output |

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| C O M. | CAN Communications | |
| | Baud Rate options | 125Kbps、250Kbps、500Kbps |
| | Terminating resistor | No |

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|-----------------------------|---|---|
| S A F E T Y | | Input to output: 2000VAC≤10mA input to ground: 2000VAC≤10mA Output to ground: 2000VAC≤10mA, are 1min |
| | Insulation Rating | Input to output, the signal end of the housing ≥10M Europe, the test voltage 1000VDC |
| | Electromagnetic Immunity | Meet GB / T 18487.3-2001 11.3.1 Article |
| | Electromagnetic noise | Meet GB / T 18487.3-2001 11.3.2 Article |
| | Harmonic Current | Meet GB 17625.1-2003 6.7.1.1 Article |
| | Inrush Current | ≤6A |
| | Current Rise Time | ≤5S, overshoot ≤5% |
| | Stop response time | 100% to 10% ≤50mS, 100% to 0% ≤200mS |
| | Protection Class | IP67 |
| | Vibration Resistance | 10-25Hz amplitude of 1.2mm, 25-500Hz 30m / s ² , 8 hours a direction |
| | N o i s e | ≤60dB(A 级) |
| | M T B F | 150000H |
| | Working Environment | Relative humidity 5% -95% non-condensing |
| | Operating Temperature | -40 ~ 60℃ |
| | Storage temperature | -55℃ ~ +85℃ |
| Over-temperature protection | Stops when over 90deg C, resumes operating when cooled. | |

- Dimensions (modular)

