

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-XXCANXXXX/X-001
I N P U T	Input Voltage	AC 85~265V
	F r e q u e n c y	45-65Hz
	Input Current	16A
	Power Factor	≥ 0.99 at over half power
	E f f i c i e n c y	$\geq 94\%$ at full power
	I d l e P o w e r	$\leq 5W$
O U T P U T	O u t p u t	CV / CT
	Output Range	25-99V
	Output current Lim.	Maximum 40A
	Output Power	3300W @220vac or 1600W@110VAC
	Voltage Accuracy	$\pm 1\%$
	Current Accuracy	$\pm 2\%$
	Ripple voltage	5%

A U X. O U T P U T		12V Power Supply
	Output Voltage	12.5V
	Current Rating	5A
	Current Accuracy	$\pm 2\%$
	Max. Current	$5.5A \pm 0.5A$
	Output Power	$\geq 62.5W$
	Ripple Voltage	1%

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

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

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)

