

NetPower

EV ON-BOARD CHARGER

MODEL CA16K6-336A1

6.6KW



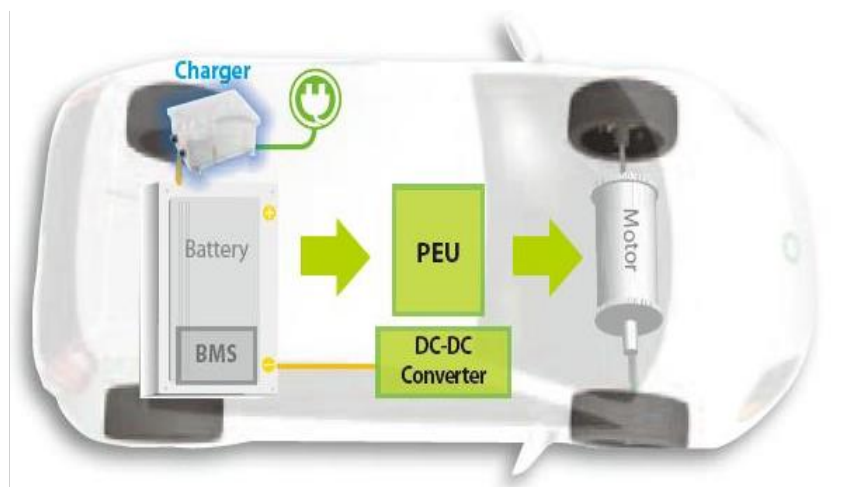
CA16K6-336A1 on-board charger series is designed for electric vehicle battery charging with demand for efficiency, robustness and safety. The electrical input voltage for CA16K6-336A1 ranges from AC 85~265V, making it an ideal selection for worldwide usage. Its high-efficiency performance makes the charging more economical.

CA16K6-336A1 provides intelligent charging mode which adjusts the voltage in CC/CV/cut off automatically. It also features short-circuit, over voltage, over current and over temperature protections under charging. The CAN-bus interface delivers message with charging flow, interlock connection, and any disconnection or error message to VCU (Vehicle Control Unit) via BMS (Battery Management System).

CA16K6-336A1 charger series is in compliance with SAE J1772 and IEC 61851 to meet international standard, and with IP 67 for critical operating environment.

KEY FEATURES

- Output power 6.6KW
- Universal input voltage/application
- CAN-bus communication
- Designed for EV onboard use
- IEC 1000 Standard/IP67
- Intelligent charging mode
- Input/output protection
- Power status indicator



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CA16K6-336A1 SPECIFICATIONS

Item	Specifications
Output	
Output Power	6.6KW
Nominal Voltage Range	200-420Vdc
Output Current	0-20A
Aux Output	13.8Vdc; 100W
Input	
Operating Input Range	85-265Vac
Phase	Single Phase
Maximum Input Current	32A
Frequency Range	50/60Hz
Power Factor	≥0.98
Efficiency	≥94%
Mechanical	
Cooling	Air-cooling
Dimension	352x257x128mm
Weight	10kg; 22lbs
Operating Temperature	- 40~60℃
Operating Ambient Temperature	- 40~75℃
Storage Temperature	- 40~95℃
Relative Humidity (non-condensing)	≥85%
Attitude	≤2000m
Regulation	
Environment	IP67, IEC60068, CNS15454
Communication	SAE J1772, IEC61851
Emission	IEC 1000/IEC 801-2,3,4/IEC 255-4
Communication	
Interface	CAN BUS
Protection	
Input Protection	Surge protection
	Short circuit protection
	Over voltage protection
	Under voltage protection
	Input Fuse over current protection
Output Protection	Short circuit protection
	Over load protection
	Reverse priority protection
	Over voltage protection
	Over temperature protection
	Current limit protection
	Output fuse over current protection
Operation	
Yellow LED Light On	In Charging
Green LED Light On	Charge Completed
Red LED Light On	Battery Connected Error
Red&Yellow&Green LED Lights On	Prohibit Charging
Red&Yellow LED Lights Flickering	CAN Communication Un-connected
Red&Yellow&Green LED Lights Flickering	Other Faults (over voltage, over load etc)
Others	
Microprocessor Control	Self-diagnostic, internal parameters monitoring
Control Loop	Voltage and current dual control loop