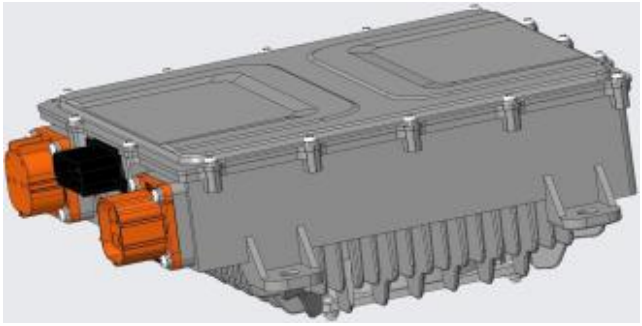


## 特点Characteristic

- New energy vehicle power battery charging support
- With over-voltage, under-voltage, over-current, short-circuit and over-temperature protection
- Supports CAN-bus communication

| 系列型号 Serial model | 电压平台 Voltage platform | 冷却方式 Type of cooling | 重量 Weight | 备注 Remarks |
|---|---|---|---|---|
| PO-AB-6G-96 | 96Vdc | Air Cooling | 6.8kg | 6.6KW OBC |

## 充电机电气参数Charger electrical parameters

### 输入参数Input parameters

| | | |
|---|---|---|
| 输入电压Input voltage | Vac | 90-264 |
| 频率Frequency | Hz | 47-63 |
| 输入电流Input current | A | 0-32 |
| 功率因数Power factor | | ≥0.98 (半载以上More than half load) |
| 待机功耗Standby power consumption | W | ≤5 |
| 启动冲击电流Starting impulse current | A | 1.5 倍最大输入电流<br>1.5 times the maximum input current |

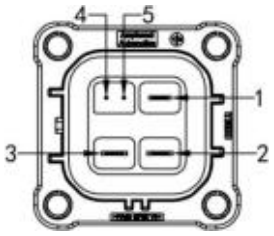
### 输出参数Output parameters

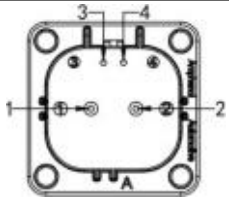
| | | |
|---|---|---|
| 输出电压Output voltage | Vdc | 64-128 |
| 输出电流Output Current | A | 0-60 |
| 输出功率Output power | W | 6600W@220VAC；3300W@110VAC |
| 恒压精度Constant voltage accuracy | % | ±1 |
| 恒流精度Constant current accuracy | % | ±2 |
| 最高效率Maximum efficiency | % | ≥93 |
| 关闭响应时间Off response time | ms | 300ms 内电流降到10%以下，500ms 内降到0A<br>The current drops below 10% within 300ms and to 0A within 500ms. |

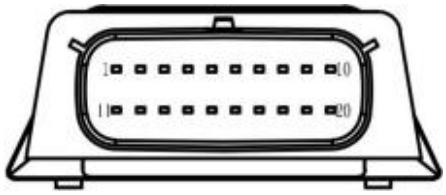
### 保护参数Protection parameters

| | | |
|---|---|---|
| 输入欠压保护Input under-voltage protection | Vac | 90±5 |
| 输入过压保护Input over-voltage protection | Vac | 264±5 |
| 输出欠压保护Output under-voltage protection | Vdc | ≤59 |
| 输出过压保护Output over-voltage protection | Vdc | ≥133 |
| 输出过流保护Output over-current protection | | ≥最大电流停止输出<br>≥ maximum current stop output |
| 输出短路保护Output short-circuit protection | | 停止输出，故障排除后自恢复<br>Stop output and recover after troubleshooting |
| 过热保护Overheat protection | ℃ | 充电机内部85℃降功率，90℃关机<br>The internal power of the charger starts to decrease at 85℃, and the charger is shut down at 90℃. |

## 接口定义Interface Definition

| 接口名称<br>Interface name | 交流输入<br>AC input | 连接器型号<br>Connector model | 插座 Socket | HVC3PG63MV106-S02(安费诺) |
|---|---|---|---|---|
| | | | 插头 Plug | HVC3PG63FS106(安费诺) |
| 端子序号<br>Terminal No. | 线径<br>Wire diameter | 功能定义<br>Function definition |  | |
| 1 | 6mm2 | PE | | |
| 2 | 6mm2 | N | | |
| 3 | 6mm2 | L | | |
| 4、5 | 0.35-0.5mm2 | 高压互锁<br>High-voltage interlock | | |

| 接口名称<br>Interface name | 高压直流<br>High Voltage DC | 连接器型号<br>Connector model | 插座 Socket | HVC2PG36MV110-S01(安费诺) |
|---|---|---|---|---|
| | | | 插头 Plug | HVC2PG36FS110(安费诺) |
| 端子序号<br>Terminal No. | 线径<br>Wire diameter | 功能定义<br>Function definition |  | |
| 1 | 10mm2 | 共正 Copositive | | |
| 2 | 10mm2 | 共负 Conegative | | |
| 3、4 | 0.35-0.5mm2 | 高压互锁<br>High-voltage interlock | | |

| 接口名称<br>Interface name | 信号控制<br>Signal control | 连接器型号<br>Connector model | 插座 Socket | 348302001(莫仕 Molex) |
|---|---|---|---|---|
| | | | 插头 Plug | 334722006(莫仕 Molex) |
| 端子序号<br>Terminal No. | 功能定义<br>Function definition | 功能描述<br>Functional description |  | |
| 1 | Temp 1-1 | 慢充插座温度传感器 1-1<br>Slow charge socket temperature sensor 1-1 | | |
| 2 | Temp 1-2 | 慢充插座温度传感器 1-2<br>Slow charge socket temperature sensor 1-2 | | |
| 3 | Temp 2-1 | 慢充插座温度传感器2-1<br>Slow charge socket temperature sensor 2-1 | | |
| 4 | Temp 2-2 | 慢充插座温度传感器2-2<br>Slow charge socket temperature sensor 2-2 | | |
| 5 | CC | 充电连接确认<br>Charging connection confirmation | | |
| 6 | CP | 充电连接引导 Charging Connection Guide | | |
| 7 | KL30 | 常电输入正 Constant power input + | | |
| 8 | E LOCK+ | 电子锁驱动+ Electronic lock drive + | | |
| 9 | 12V200mA | 输出唤醒 Wake-up Out | | |
| 10 | 12V5A | 电压电源输出 LVDC Output | | |
| 11 | CANH | CAN 通讯高 CAN communication high | | |
| 12 | CANL | CAN 通讯低 CAN communication low | | |
| 13 | HVIL+ | 高压互锁+ High-voltage interlock+ | | |
| 14 | HVIL- | 高压互锁- High-voltage interlock- | | |
| 15 | E LOCK FB+ | 电子锁反馈信号+<br>Electronic lock feedback signal + | | |
| 16 | E LOCK FB- | 电子锁反馈信号-<br>Electronic lock feedback signal- | | |
| 17 | KL31 | 地 GND | | |
| 18 | E LOCK- | 电子锁驱动-<br>Electronic lock drive- | | |
| 19 | / | / | | |
| 20 | / | / | | |

## 安装尺寸Assembly dimensions

