

1.Designed for new energy vehicles, CC/CV output.
新能源汽车应用，恒流/恒压输出

2.High voltage input. Equipped with reverse polarity protection.

高压输入具有反接保护

3.Equipped with over-voltage, under-voltage, short-circuit and over - temperature protection functions. 具有过压、欠压、过流、短路、过温保护功能

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
PD-BI- 1A-72Y	96Vdc	Natural Cooling		

DC/DC转换器电气参数DC/DC converter electrical parameters

输入参数Input parameters

输入电压 Input voltage	Vdc	64-128
输入电流 Input current	A	0-24

输出参数Output parameters

输出电压 Output voltage	Vdc	9-16
额定输出电流 Rated output current	A	72
峰值电流 Peak current	A	86
额定功率 Rated Power	W	1000
峰值功率 Peak power	W	1200W持续6分钟1200W for 6 minutes
电压调整率 Voltage adjustment rate	%	≤1
负载调整率 Load adjustment rate	%	≤1
电压控制精度 Voltage control accuracy	%	≤1
电流控制精度 Current control accuracy	%	≤2
最高效率 Maximum efficiency	%	≥94
纹波电压系数 Ripple voltage coefficient	%	≤2%@额定工作状态 ≤2%@ rated working status

保护参数Protection parameters

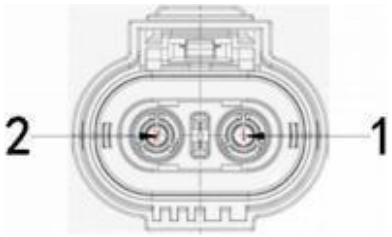
输入欠压保护 Input under- voltage protection	Vdc	59V±5
输入过压保护 Input over- voltage protection	Vdc	131V±5
输出欠压保护 Output under- voltage protection	V	≤7V，电压≥8±0.2V 后恢复工作 ≤7V，return to work after voltage ≥ 8±0.2V
输出过压保护 Output over- voltage protection	V	≥16V，电压≤15±0.2V 后恢复正常工作 ≥ 16V，return to normal operation after voltage ≥15±0.2V
输出过流保护 Output over- current protection	A	>86A 时停止输出 Stop output when> 86A
输出短路保护 Output short- circuit protection		故障排除后可自恢复 Self-recovery after troubleshooting
过热保护 Overheat protection	℃	内部100℃降功率，110℃关机，温度下降后自恢复 The internal temperature starts to reduce the power at 100℃, and turned off at 110℃. After the temperature drops, it will recover automatically.

安全参数Safety parameters

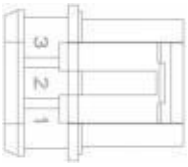
接地电阻 Ground resistance	mΩ	≤100mΩ@25A/AC
输入绝缘 Input insulation	MΩ	20MΩ@500VDC
输入耐压 Input withstand voltage	mA	漏电流Leakage current≤10mA@2000VDC 3s

接口定义Interface Definition

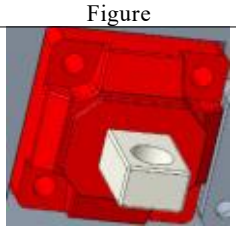
接口名称 Interface name	直流输入 DC input	连接器型号 Connector model	插头Plug	FHV600236CX-04U01Y(琥正 FUTRONICS)
			插座Socket	FHV200236CX-04U01Y(琥正 FUTRONICS)
端子序号 Terminal No.	线径 Wire diameter	功能定义 Function definition		
1	4mm2	正Positive		
2	4mm2	负 Negative		



接口名称 Interface name	信号控制 Signal control	连接器型号 Connector model	插座Socket	DJ7031- 1.5-21(今朝 ZJZ)
			插头Plug	DJ7031- 1.5- 11(今朝 ZJZ)
端子序号 Terminal No.	线径 Wire diameter	功能定义 Function definition		
1	0.5mm2	CANH		
2	0.5mm2	CANL		
3	0.5mm2	使能 Enabled		



接口名称 Interface name	型号 Model	定义 Definition	备注 Remarks	图示 Figure
DC/DC输出正极 DC/DC output +		DC+	M8	



安装尺寸Assembly dimensions

