干式交流滤波电容器（定制品）
AC filter capacitor（Customized products）

■ 外形图 Outline Drawing

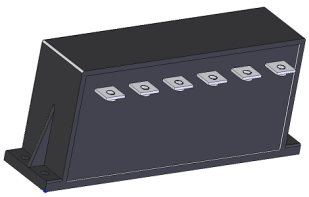


Fig. 1

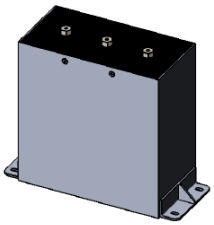


Fig. 2

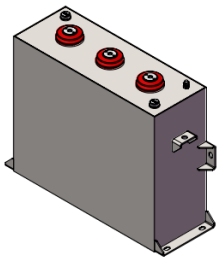


Fig. 3

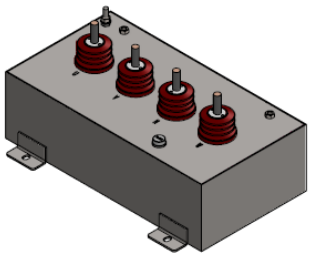


Fig. 4

外壳形状以及电极引出方式仅供用户参考，用户可以按实际需求进行定制，定制包括外形样式、容量、电压范围以及内部连接方式；具体要求可以直接与我们联系。

The body shape and the terminals are only for users reference, users can customize according to the actual demand, customization include appearance style, capacity voltage range and internal connection; Contact with us directly if any specific requirements.

■ 特点

- 应用于交流滤波电路中
- 等效串联电阻小，能承受大的谐波电流
- 自感小
- 有自愈性
- 寿命长
- 树酯灌封

■ Features

- **Used in AC-filter circuits**
- **Low ESR, high harmonic current handling capabilities**
- **Low Ls**
- **Self-healing property**
- **Long lifetime**
- **Filled with resin**

■ 应用场合

- 风能发电、太阳能发电用变频器上的交流滤波
- 交通工具，如：轨交车辆辅变的交流滤波
- 焊接设备，电梯，电机驱动

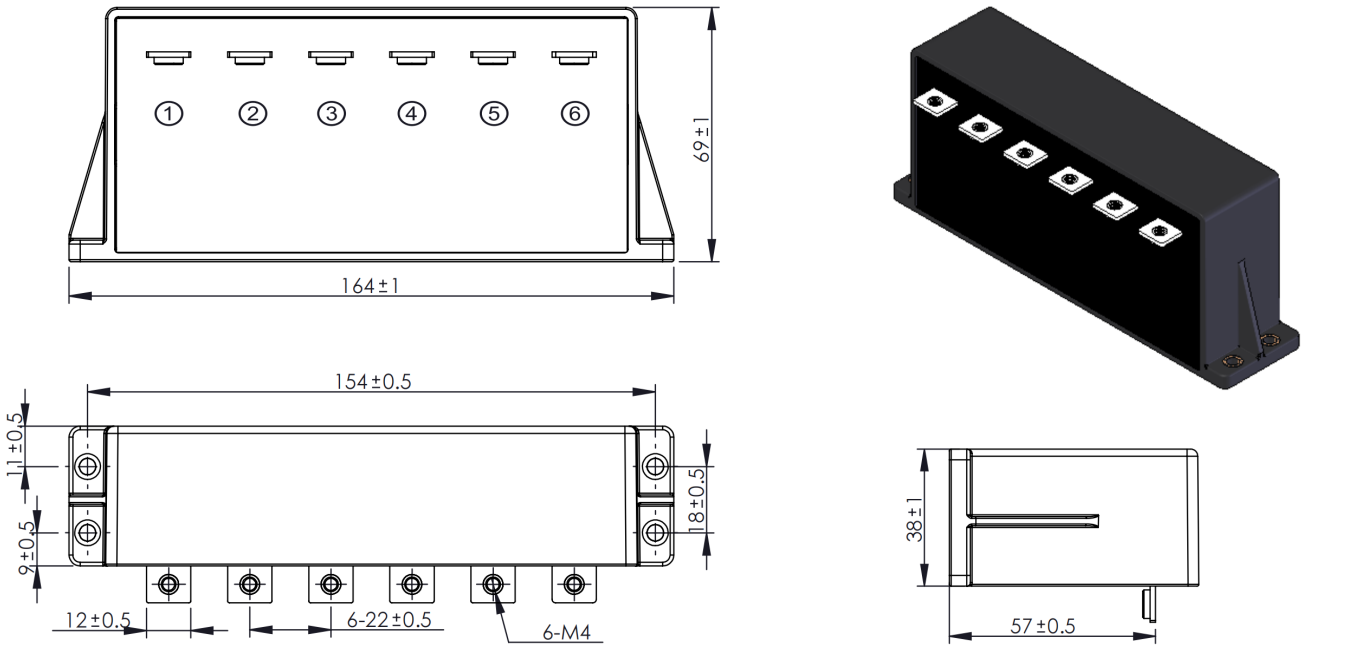
■ Applications

- **Used in Inverters of wind power and solar power for AC-filter**
- **Transportation: Used in auxiliary converts of rail transit vehicles for AC-filte**
- **For high pulse and high frequency application**

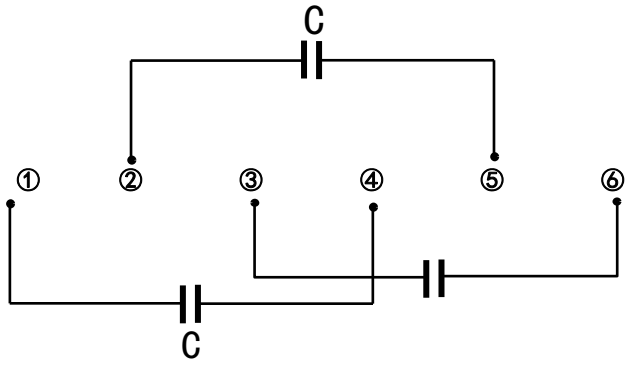
■ 技术要求 Specifications

引用标准 **Reference standards**	**GB/T 17702（IEC 61071） Optional：GB/T 25121 (IEC 61881-1)**
气候类别 **Climatic category**	**40/70/56**
可运行温度范围（热点温度） **Operating temperature range (θ_{hs})**	**-40℃~85℃**
贮存温度范围 **Storage temperature range**	**-40℃~85℃**
电容量偏差 **Capacitance tolerance**	**±5%(J)，±10%(K)**
额定均方根电压 **Rated RMS Voltage (U_{rms})**	**230Vac~3 300Vac（可根据用户需求 According to customer requirements）**
额定电容量 **Rated capacity(C_N)**	**可根据客户需求 According to customer requirements**

极间耐电压 Test voltage between Terminals (U_{T-T})	2.15U_{rms} 或 1.5U_N (50Hz/60Hz), 10s
极壳耐电压 Test voltage between terminals to case	2U_{rms}+1 000Vac (50Hz/60Hz), 10s
介质损耗角正切 Dielectric dissipation factor ($\tan\delta_d$)	2×10^{-4}
绝缘电阻 Insulation resistance ($IR\times C_N$)	≥10 000s(20°C, 500V, 1min)
最高使用海拔 Max. altitude	2 000m

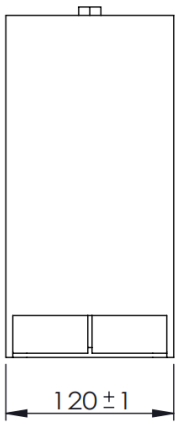


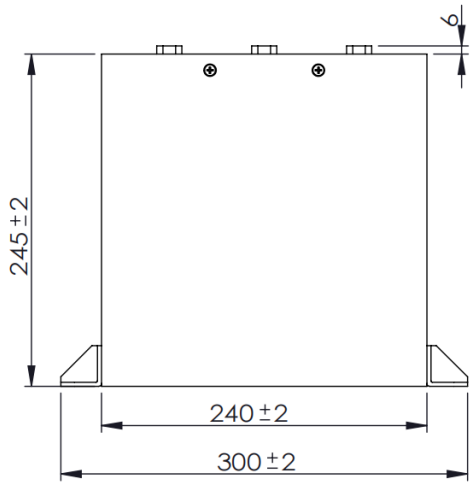
Max Torque of Installation:2N·m

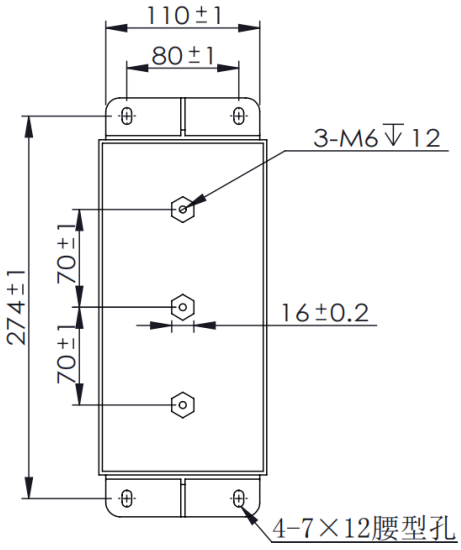


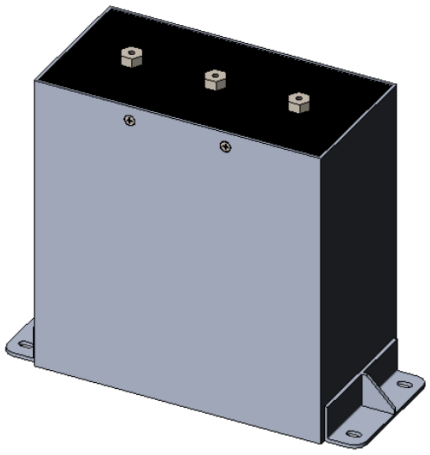
C_N (μF)	U_{rms} (VAC)	ESR @1kHz (mΩ)	R_{th} (K/W)	I_{max} (A)	Î (kA)	$Î_s$ (kA)	Case	M (kg)	Part number
3×25	310	3×5.1	6.7	3×15	0.75	2.25	Plastic	0.6	C6DQ3256K000002

备注 **Note**：1. **“R_{th}”是指在自然冷却条件下，电容器热点到环境的热阻。**
“R_{th}” = Rth between hotspot and ambient on natural cooling condition.
2. 此定制品适用于电压小于 **250Vac** 的滤波系统。
This customized part is suitable for mains voltage is less than 250Vac 50Hz/60Hz.

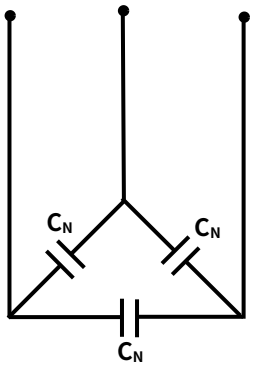








Torque of Installation:5N·m

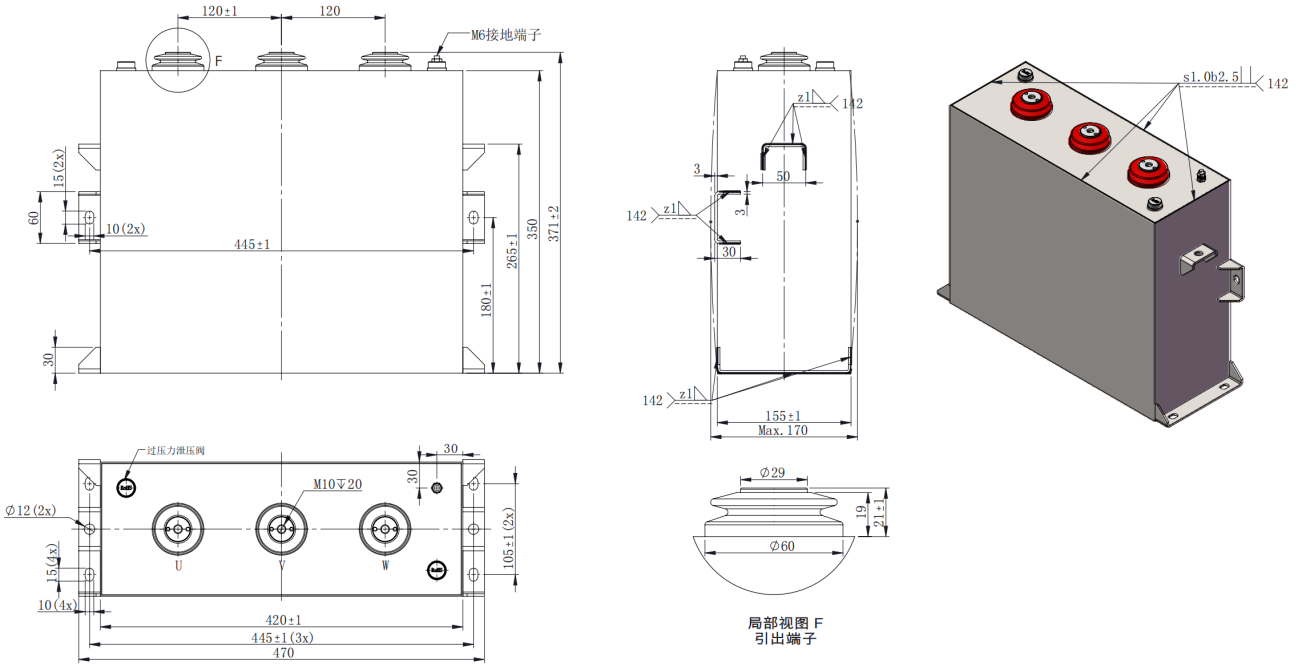


Circuit topology

C_N (μF)	U_{rms} (VAC)	ESR @1kHz (mΩ)	R_{th} (K/W)	I_{max} (A)	Î (kA)	$Î_s$ (kA)	Case	M (kg)	C_N (μF)
3×200	500	3×0.6	1.0	3×75	4.8	14.5	Aluminum	9.6	D6DH2207J4*****

备注 **Note**：“R_{th}”是指在自然冷却条件下，电容器热点到环境的热阻。

“R_{th}” =R_{th} between hotspot and ambient on natural cooling condition



注：

1、**M10** 引出螺孔抗扭矩强度大于 **20N•m；**

2、未标注尺寸公差参照 **GB/T 1804-C** 级(等效 **ISO 2768-1-C** 级)；

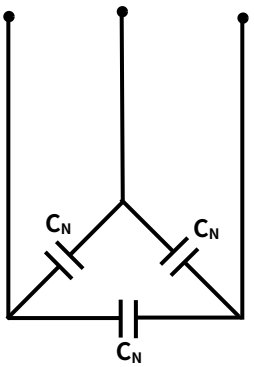
3、焊接件未标注尺寸参照 **GB/T 19804-C** 级(等效 **ISO 13920-C** 级)；

4、焊缝质量等级：**CPC3；**

5、焊缝缺陷质量等级：**C** 级；

6、焊缝检验等级：**CT4**。

Torque of Installation:15N·m

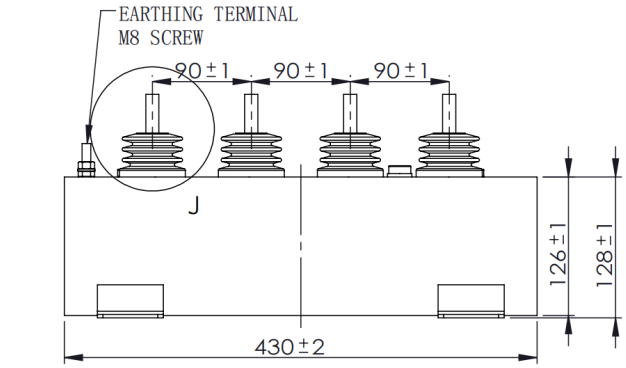


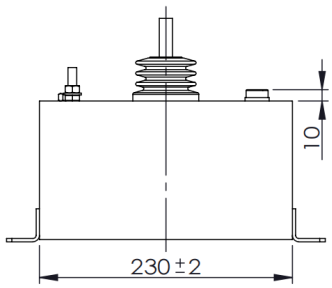
Circuit topology

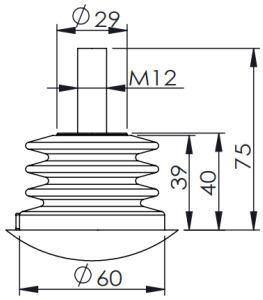
C_N (μF)	U_{rms} (VAC)	ESR @1kHz (mΩ)	R_{th} (K/W)	I_{max} (A)	$\hat{I}$ (kA)	$\hat{I}_s$ (kA)	Case	M (kg)	Part number
3×200	850	3×0.8	0.6	3×120	5	15	Stainless steel	33	D6DW1207******

备注 **Note**：“R_{th}”是指在自然冷却条件下，电容器热点到环境的热阻。

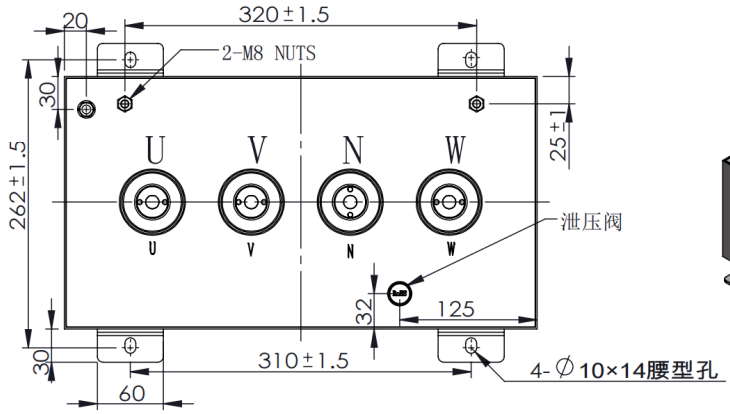
“R_{th}” =R_{th} **between hotspot and ambient on natural cooling condition.**

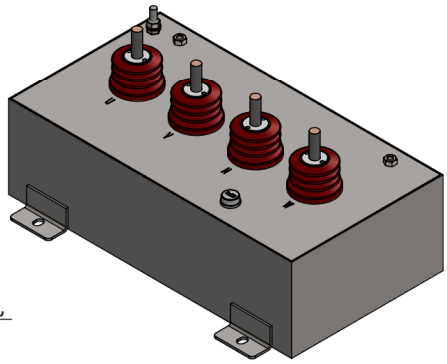




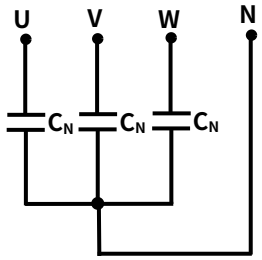


局部视图 J
绝缘端子





Torque of Installation:20N·m



Circuit topology

C_N (μF)	U_{rms} (VAC)	ESR @1kHz (mΩ)	R_{th} (K/W)	I_{max} (A)	$\hat{I}$ (kA)	$\hat{I}_s$ (kA)	Case	M (kg)	Part number
3×640	500	3×1.0	0.9	3×62	3.2	9.6	Stainless steel	23	D6DH2647******

备注 **Note:** “R_{th}” 是指在自然冷却条件下，电容器热点到环境的热阻。

“R_{th}” =R_{th} between hotspot and ambient on natural cooling condition.