

## 概述 Overview

方型系列光伏系统保护用熔断器，适用于保护和隔离光伏电池组件或阵列的电力系统，其额定电压DC1500V、额定电流50A~630A，使用类别为gPV、额定分断电流50kA，本系列产品符合国家GB/T 13539.6和国际电工委IEC 60269-6标准。

Square series of fuses for protection of photovoltaic system, suitable for protection and isolation of photovoltaic cell modules or arrays of power systems, the rated voltage DC1500V, rated current 50A~630A, the use of gPV, rated breaking current 50kA, This series of products comply with the national GB/T 13539.6 and IEC 60269-6 standards of the International Electricity Commission.



## 特性 Characteristics

本产品具有外型体积小、耐高温、额定容量大、分断能力高、分断速度快、温升低等优越的电气性能等特点，为光伏系统安全提供可靠保障。

This product has the characteristics of small Specification, high temperature resistance, large rated capacity, high breaking capacity, fast breaking speed, low temperature rise and superior electrical performance, etc., which provides reliable guarantee for the safety of photovoltaic system.

## 订货型号示例 Order code example

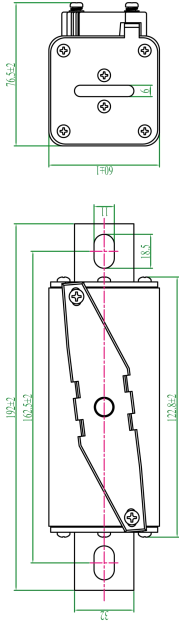
企业代码 enterprise code	系列 series	额定电流 Rated current	额定电压 Rated voltage	规格mm Specification
↓	↓	↓	↓	↓
LC	F	50A	15V=1500V	60L

## 技术参数 Parameters

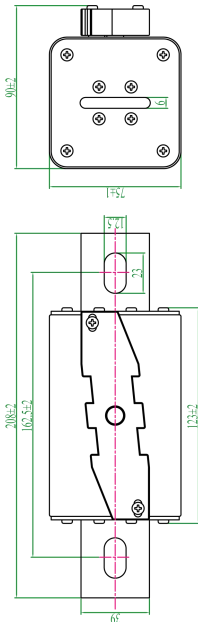
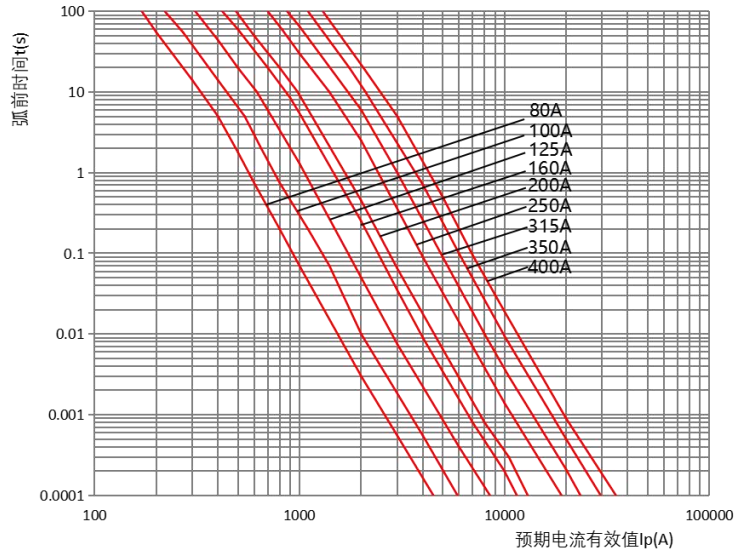
规格 Specification	型号 Model	额定电流 Rated current	额定电压 Rated voltage	分断电流 Breaking current	保护类别 Protection category
 60x192mm	LCF50A15V60L	50A	DC1500V	50kA	gPV
	LCF80A15V60L	80A	DC1500V	50kA	gPV
	LCF100A15V60L	100A	DC1500V	50kA	gPV
	LCF125A15V60L	125A	DC1500V	50kA	gPV
	LCF160A15V60L	160A	DC1500V	50kA	gPV
	LCF200A15V60L	200A	DC1500V	50kA	gPV
	LCF250A15V60L	250A	DC1500V	50kA	gPV
	LCF315A15V60L	315A	DC1500V	50kA	gPV
	LCF350A15V60L	350A	DC1500V	50kA	gPV
	LCF400A15V60L	400A	DC1500V	50kA	gPV
 75x208mm	LCF450A15V75L	450A	DC1500V	50kA	gPV
	LCF500A15V75L	500A	DC1500V	50kA	gPV
	LCF630A15V75L	630A	DC1500V	50kA	gPV

➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

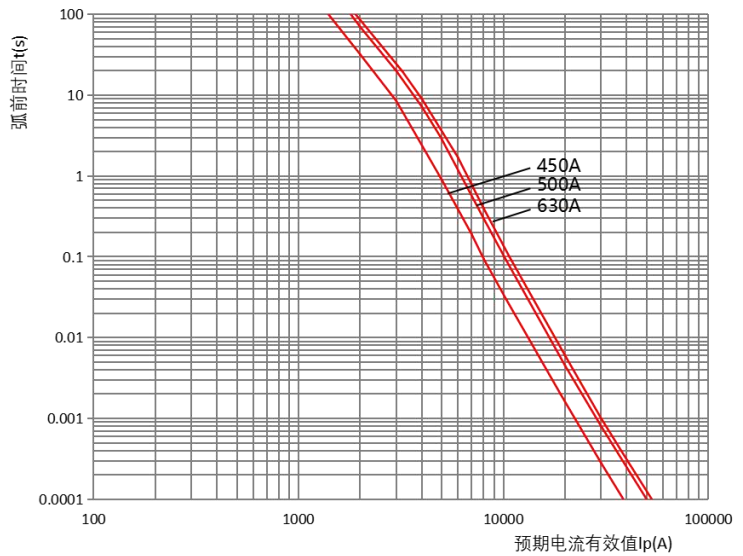
**尺寸 Size** **弧前时间-预期电流曲线**  
Pre-arc time-expected current curve



60x192mm



75x208mm



➤ 工作环境与储存 Operating ambient

- 正常工作条件:  $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$
- 允许使用条件:  $-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$ .
- 正常工作条件: 海拔不超过2000m
- 允许使用条件: 海拔不超过4500m
- 运输过程中应避免雨雪侵袭和机械损伤
- 产品储存温度:  $-40^{\circ}\text{C}\sim 70^{\circ}\text{C}$ 。  
在 $40^{\circ}\text{C}$ 时相对湿度不大于70%  
在 $30^{\circ}\text{C}$ 时相对湿度不大于80%  
在 $20^{\circ}\text{C}$ 时相对湿度不大于90%

- Normal working conditions:  $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$
- Allowable use conditions:  $-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$
- Normal working conditions: The altitude does not exceed 2000m
- Permitted use conditions: altitude not exceeding 4500m
- Rain, snow and mechanical damage should be avoided during transportation
- Product storage temperature:  $-40^{\circ}\text{C}\sim 70^{\circ}\text{C}$ 。  
The relative humidity is not more than 70% at  $40^{\circ}\text{C}$   
The relative humidity is not more than 80% at  $30^{\circ}\text{C}$   
The relative humidity is not more than 90% at  $20^{\circ}\text{C}$

