

产 品 规 格 书
PRODUCT SPECIFICATION

客户名称/Customer	
客户料号/Part No	
客户承认签章 Customer Approved Signatures	

供方/Supplier	友容新源电气（昆山）有限公司
文件编号/Spec No	CF-PS211012005
品名/Description	FUSE
型号/Model	ESXU1-(250-800)EN
日期/Date	2022-10-14
设计/Designed	批准/Approved
huzeng	kevin

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ESXU

ESXU1-FUSES

Fuses for Semiconductor Protection IEC60269-7 standard

Rated Voltage

Operating Class

Rated Breaking Capacity

250Vdc

aBat

250V@ 50kA

型号 Product model

● ESXU1-□□□EN

型号诠释 Product interpretation

ES X U 1- □□□ E N
① ② ③ ④ ⑤ ⑥ ⑦

①储能保护用熔断器 Fuses for energy storage protection

②电压等级Rated voltage: X:250Vdc

③安装方式Installation: E:勾叉安装

④管号规格(Size): 1: 1号管 (size 1)

⑤额定电流 Rated current: 100A-800A

⑥安装距离(Mounting Distance): A 50mm/51mm

⑦指示类型(Type of Indication): N Without Indication) (I I Indication))

描述 Description

●安全可靠的螺栓连接方式 Safe and reliable connecting way of bolt-on

●优越的电气性能, 低温升, 灭弧性能强的特点, 适用于储能电池模块Pack应用。

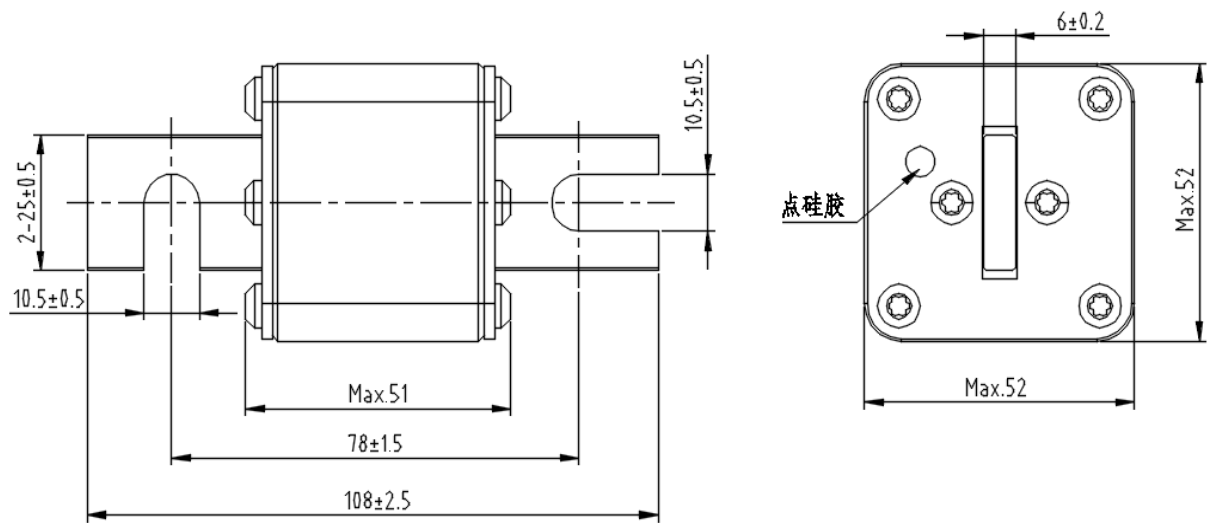
Excellent electrical performance, low temperature rise, arc suppression performance strong characteristics, suitable for energy storage battery module Pack applications.

●设计参考 IEC60269-7 Product design conforms to IEC60269-7

●产品过程符合IATF16949质量管理体系要求 Product process conforms to IATF16949

●产品、包装符合RoHS Product and Package conforms to RoHS

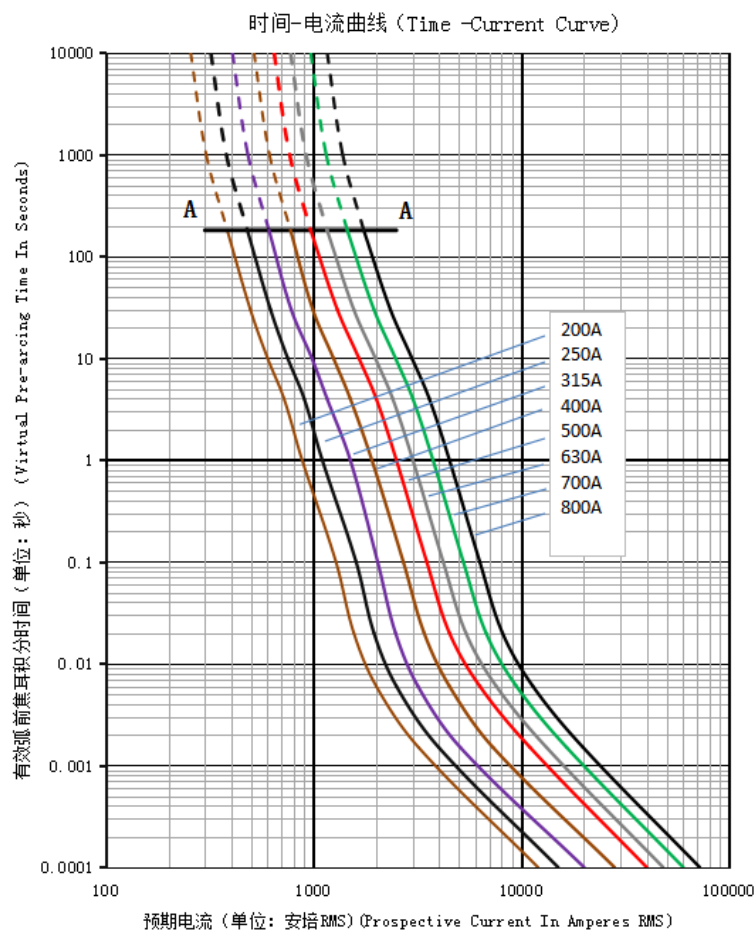
外形尺寸 Dimensions



物料选择 Selection and ordering data

Rated current 【A】	Rated voltage 【V】	Part Number	Power Loss@In 【W】	Pre-arcing I^2t 【A ² S】	Total @250V I^2t 【A ² S】	Weight 【Kg/1】	Pack
250	250	ESXU1-250EN	10	23500	78000	0.2	1
315		ESXU1-315EN	15	44500	155000		
400		ESXU1-400EN	20	86800	275000		
500		ESXU1-500EN	25	155000	480000		
630		ESXU1-630EN	31	245000	735000		
700		ESXU1-700EN	36	385000	1250000		
800		ESXU1-800EN	42	638000	1958000		

时间电流特性曲线 Time- Current Characteristics Curve



使用条件 Operating condition

No	项目 Item	要求 Requirements
1	使用电压范围 Operating voltage	≤500Vdc
2	使用环境 Operating environment	
	正常应用温度 Normal Applied Temperatures	-5℃~40℃
	允许工作温度 Allowed Operation Temperature	-40℃~95℃
	相对湿度 Relative humidity	5%~95%
3	海拔 altitude	
	正常海拔地点 Normal altitude location	≤2000m
	允许安装海拔 Allowed mounted altitude	≤5500m
	大气压力 Atmospheric pressure	61.6kPa~106.2kPa
4	保存环境 Storage environment	
	正常存储条件 Normal storage condition	-5℃~40℃ RH<75%
	允许存储环境 Allowed storage condition	-40℃~120℃
5	安装扭矩 Install torque	M10 22±1N.m
6	污秽等级 Pollution level	III

注：超过正常使用条件时，在允许使用条件范围内，可能需要修正一些参数，请与CFriend联系。

Note: If exceeding the normal usage conditions, some parameters may need to be corrected within the allowed usage conditions, please contact with CFriend.