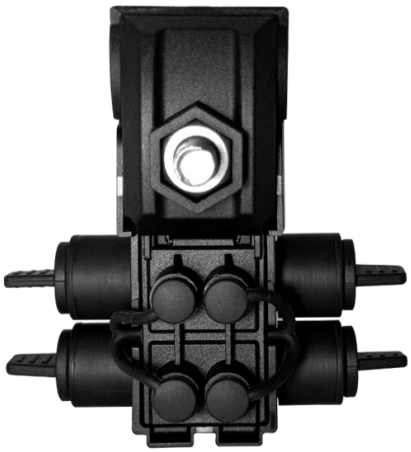
NewSun PV Technology Co.,Ltd

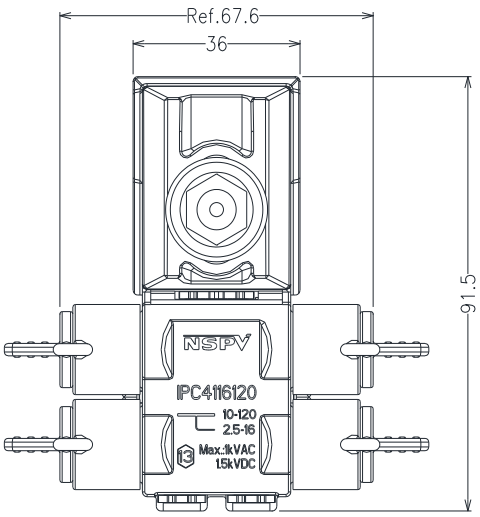
4进1出穿刺线夹(IPC4116120)
4in1 Insulation Piercing Connector(IPC4116120)

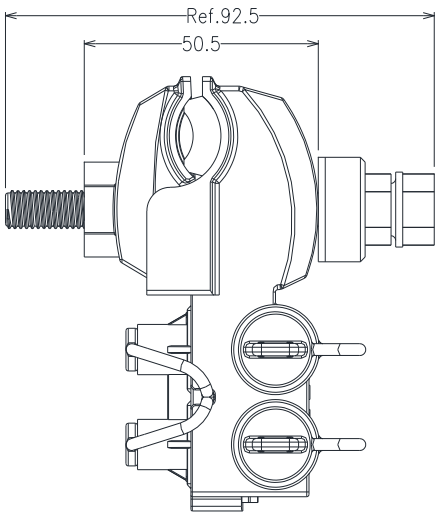
产品规格
Product Specifications

绝缘材料 Insulation material	PA+CU	安全等级 Safety degree	II
额定电压 Rated voltage	1500VDC/1000VAC	阻燃等级 Flame class	UL94-V0
温度上限 Upper limiting temperature	110℃(IEC)	安装方式 Installation type	户外，抗紫外线(F1) Outdoor,UV resistant(F1)
连接器接触电阻 contact resistance	≤ 5 mΩ	环境温度范围 Ambient temperature range	-40℃…+85℃(IEC）
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	连接方式 Connecting system	锁接 Lock connection
保护等级 Degree of protection	IP65	螺帽锁紧力 Nut cap locking force	>12Nm
适配电线规格 Suitable cable cross sections	**Tap:** 2.5~16mm^2 (OD Max.9.0) 14-6 AWG 4.9 -31.6 MCM **Main:** 10-120mm^2 (Al/CU) 8-4/0 AWG 19.7 -211.6 MCM	过压等级 Overvoltage category/Pollution degree	CATIII/2

图示：
Drawing:







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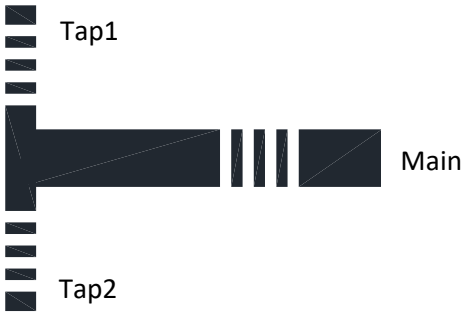
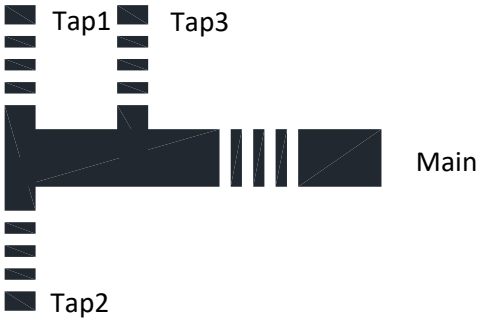
接线原理图
Elementary diagram :

1 input 1 output

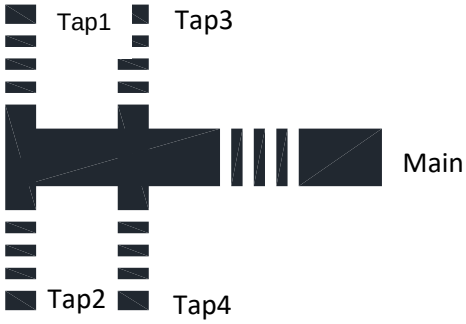
2 inputs 1 output



3 inputs 1 output

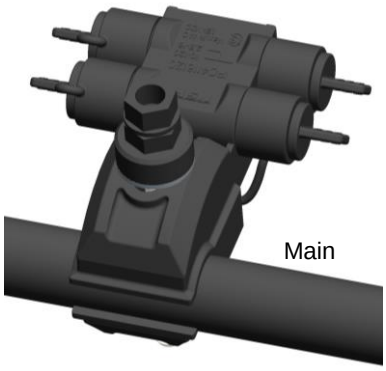


4 inputs 1 output

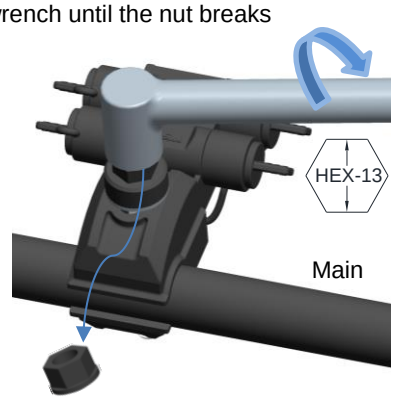


使用方法
method of application

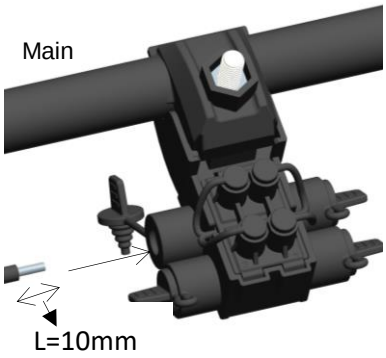
1.把电线放入线夹内
1.Put the cable on the IPC



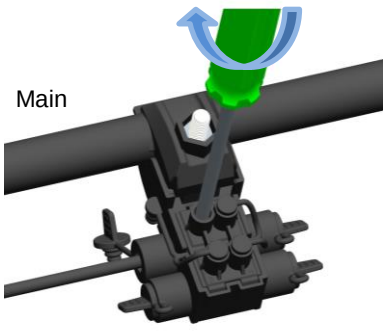
2.用13mm的扭力扳手锁紧电线直到螺帽断开
2.Tighten the cable with a 13mm torque wrench until the nut breaks



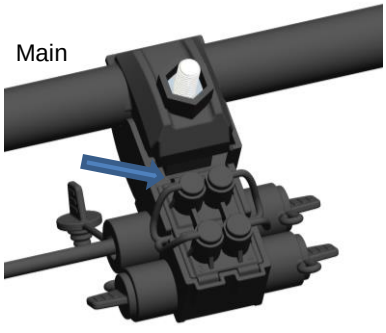
3.拨分支电线L=10mm
3.Strip the cable L= 10mm



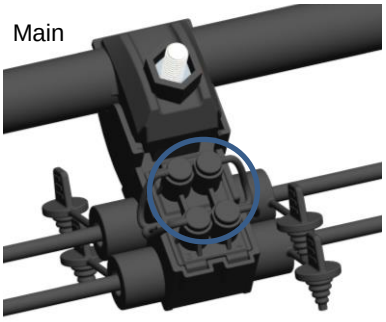
4.用Φ6锁紧分支电线
4.Lock the cable with Φ6mm



5.盖上防水盖
5.Put on the waterproof cover



6.重复4和5,接入其它分支线.
6.Repeat 4 and 5 to connect to other branch cable



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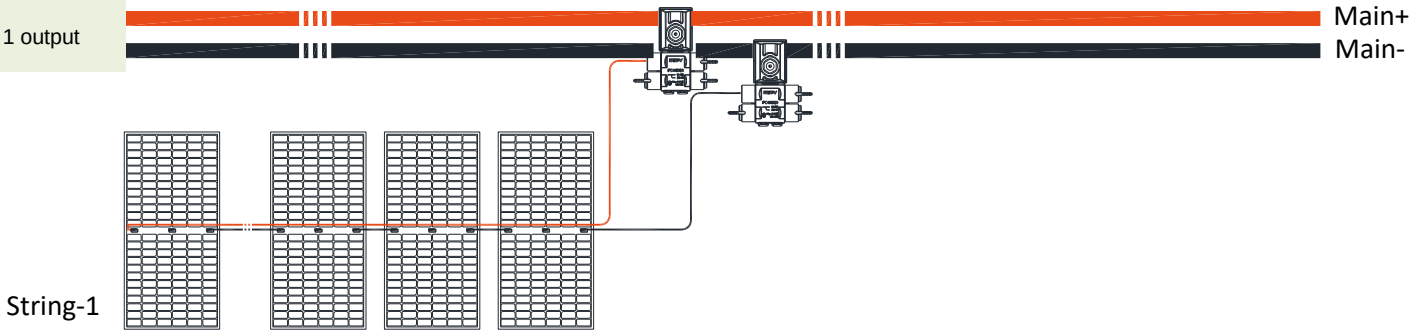
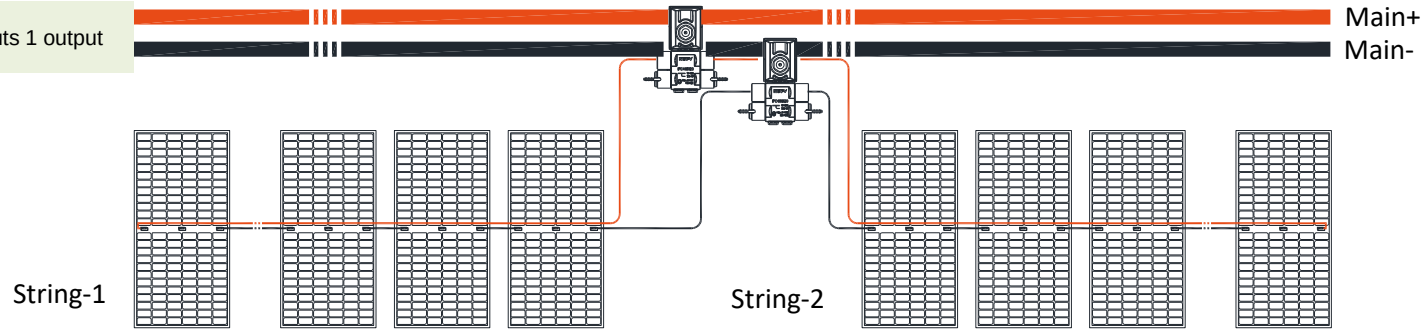
使用参考
Application reference :

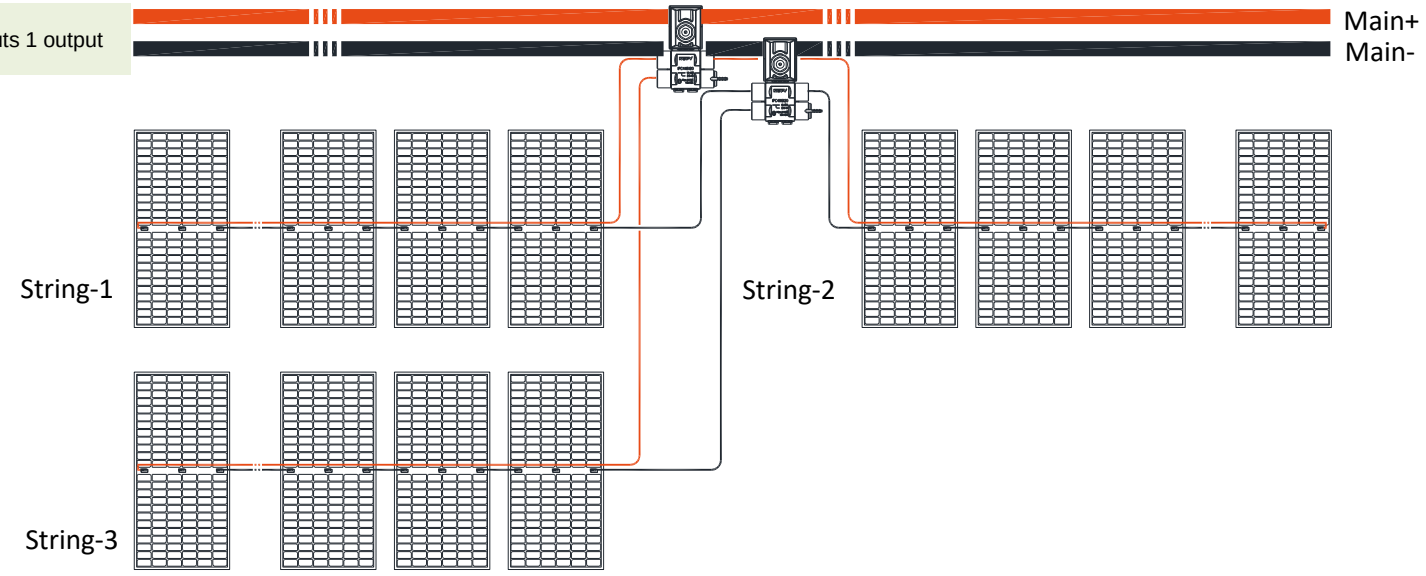
1 input 1 output



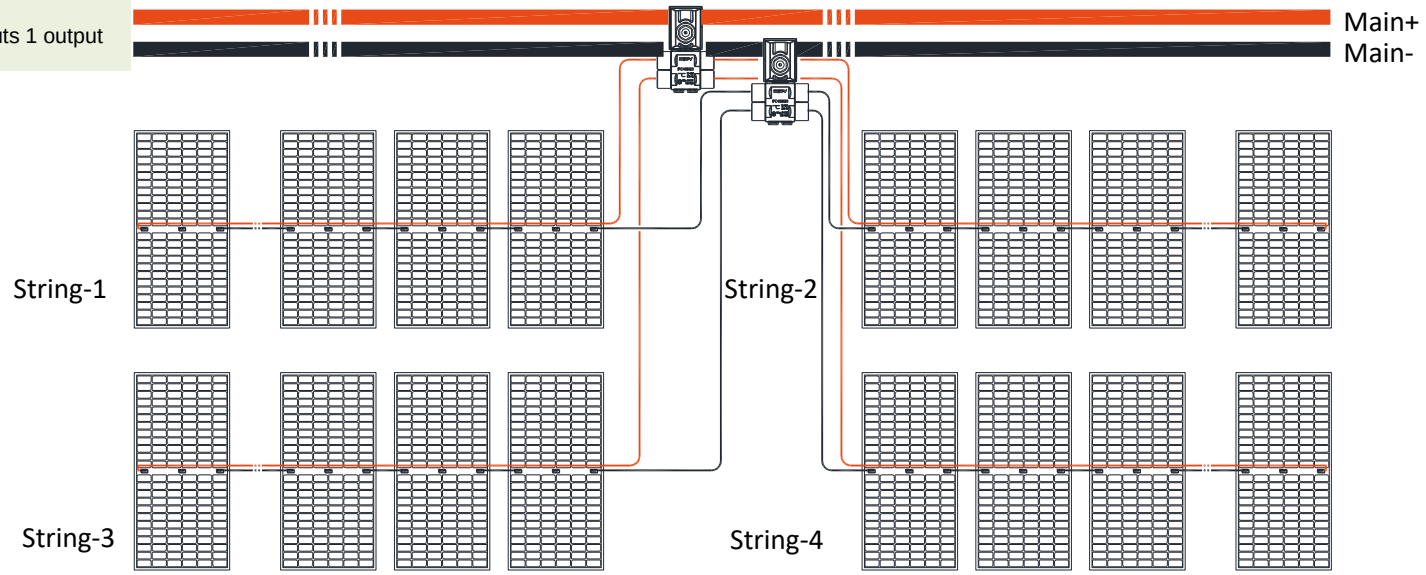
2 inputs 1 output



3 inputs 1 output



4 inputs 1 output



TUV 62930 IEC 131 HALONGEN FREE LOW
1500V DC NSPV NewSun PV Technology Co.,Ltd
Main-
Strings-

TUV 62930 IEC 131 HALONGEN FREE LOW
1500V DC NSPV NewSun PV Technology Co.,Ltd
Main+
Strings+