

## Solar B-Y Branch Harness

## 光伏 Y 型分支汇流线束



IEC 1000V  
UL 1000V



UL94-V0



-40°C~85°C



IP 67

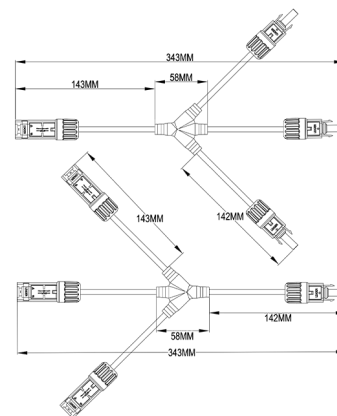


## Product Overview 产品概述

LEADER BY-31 Branch use high quality materials that guarantee long-term reliability. H-Y use welding technology to ensure connection's long term reliability. Lower contact resistance and higher current transfer capability ensure high product efficiency. LEADER BY-31 Branch have IP67 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85°C. SY-BY31-AB 系列光伏汇流线束采用高品质绝缘耐候材料，可保障产品在户外长期安全使用。采用专利焊接工艺，保障了线缆连接的长期可靠性。较小的接触电阻和更大电流传输能力保障较小的连接耗损。产品符合 IP67 额定标准且具有宽泛的环境适用范围。客户应根据输出电流规格选定合适的产品型号。客户应根据输出最大输出电流选定适用的产品。

## Technical Data 技术参数

|                       |                   |
|-----------------------|-------------------|
| Rated Voltage 额定电压    | 1000V             |
| Rated Current 额定电流    | Max 30A           |
| Ambient temperature   | -40°C up to +85°C |
| Contact Resistance    | ≤0.05mΩ           |
| Pollution Degree      | Class II          |
| Protection Degree     | Class II          |
| Fire Resistance       | UL94-V0           |
| Rated Impulse Voltage | 16KV              |



## Order Data 产品型号

| 型号 Type.      | 线缆规格 Cable Spec                                                     | 额定电流 Junction Current/ A                                       | 连接器 Connector         | Standard Package Unit |
|---------------|---------------------------------------------------------------------|----------------------------------------------------------------|-----------------------|-----------------------|
| B-Y-0404      | Input: 3x12Awg/4mm <sup>2</sup><br>Output: 1x12Awg/4mm <sup>2</sup> | String Input: ≤35A <sup>*1</sup><br>Output: ≤35A <sup>*1</sup> | PV-BN101A<br>PV-BN101 | 50 pairs / Carton     |
| B-Y-2F1M-0404 |                                                                     |                                                                |                       | 50 pcs / package      |
| B-Y-2M1F-0404 |                                                                     |                                                                |                       | 50 pcs / package      |
| B-Y-0606      | Input: 3x10Awg/6mm <sup>2</sup><br>Output: 1x10Awg/6mm <sup>2</sup> | String Input: ≤50A <sup>*1</sup><br>Output: ≤50A <sup>*1</sup> | PV-BN101A<br>PV-BN101 | 50 pairs / Carton     |
| B-Y-2F1M-0606 |                                                                     |                                                                |                       | 50 pcs / package      |
| B-Y-2M1F-0606 |                                                                     |                                                                |                       | 50 pcs / package      |
| B-Y-1010      | Input: 3x10Awg/6mm <sup>2</sup><br>Output: 1x8Awg/10mm <sup>2</sup> | String Input: ≤50A <sup>*1</sup><br>Output: ≤70A <sup>*1</sup> | PV-BN101A<br>PV-BN101 | 50 pairs / Carton     |
| B-Y-2F1M-1010 |                                                                     |                                                                |                       | 50 pcs / package      |
| B-Y-2M1F-1010 |                                                                     |                                                                |                       | 50 pcs / package      |

Remark 1: 表中额定电流主要受到线缆和连接器限制。每路输入电流不允许大于上表中最大支路电流，总的输出电流不允许大于上表中最大输出电流。

The final product rated current is restricted by cables and connectors. Every input current can't be more than the maximum string rated current and the total output current can't be more than the maximum output current.

