

# SOLAR

## 關於i-Powers

自 1997 年以來，i-Powers 一直為台灣  
可再生能源行業提供創新和優質的系  
統平衡 (BoS) 解決方案和增值服務。  
我們不斷努力提供具有最高品質標  
準，準時交貨和成本效益的產品  
這些都是我們的客戶取得成功所需的  
重要因素。

## 聯絡方式

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i-Powers  
Network

i-Power提供各種產品，這些產品來自於  
在其領域中處於領先地位的著名製造商，  
並具有長期穩定的企業背景。我們的解決  
方案被業界認為是 "同業領先"，我們很榮  
幸地在臺灣支援了超過1800兆瓦的太陽能  
項目，涉及住宅、商業和大型領域。

# I-POWERS CABLES & ELECTRICAL

## POPULAR PRODUCTS FOR SOLAR PV



### GENUINE MC4 CONNECTOR SYSTEM



PV-KBT4 Range				
Female (socket) Cable Coupler	Conductor size (mm <sup>2</sup> )	Cable OD clamping range (mm)	Current rating (A)	
32.0010P0001	2.5	5.0-6.0	22.5	
32.0014P0001	4-6	5.0-6.0	39	
32.0016P0001	4-6	5.9-8.8	39	
32.0034P0001	10	5.9-8.8	45	

PV-KST4 Range				
Male (socket) Cable Coupler	Conductor size (mm <sup>2</sup> )	Cable OD clamping range (mm)	Current rating (A)	
32.0011P0001	2.5	5.0-6.0	22.5	
32.0015P0001	4-6	5.0-6.0	39	
32.0017P0001	4-6	5.9-8.8	39	
32.0035P0001	10	5.9-8.8	45	

### GENUINE MC4-EVO 2 CONNECTOR SYSTEM



PV-KBT4-EVO 2 Range				
Female (socket) Cable Coupler	Conductor size (mm <sup>2</sup> )	Cable OD clamping range (mm)	Current rating (A)	
32.0086P0001	4-6	4.7-6.4	45-53	
32.0088P0001	4-6	6.4-8.4	45-53	
32.0124P0001	4-6	6.1-7.3	45-53	
32.0092P0001	10	6.4-8.4	69	

PV-KST4-EVO 2 Range				
Male (socket) Cable Coupler	Conductor size (mm <sup>2</sup> )	Cable OD clamping range (mm)	Current rating (A)	
32.0087P0001	4-6	4.7-6.4	45-53	
32.0089P0001	4-6	6.4-8.4	45-53	
32.0125P0001	4-6	6.1-7.3	45-53	
32.0093P0001	10	6.4-8.4	69	

### MC4 BRANCH PLUGS



PV-AZB4 Branch socket	
32.0018	2 x Female - 1 x Male

PV-AZB4 Branch socket	
32.0019	2 x Male - 1 x Female

### MC4-EVO 2 BRANCH PLUGS



PV-AZB-EVO 2 Branch socket	
32.0188	2 x Female - 1 x Male

PV-AZS-EVO 2 Branch plug	
32.00189	2 x Male - 1 x Female



### ELECTRON BEAM CROSS-LINKED



PV DC string cable - single core EN/IEC+UL					
Part No	Conductor Size (mm <sup>2</sup> )	Conductor Stranding (mm <sup>2</sup> )	Outer Diameter (mm)	Voltage Rating (V)	Conductor DC Resistance (Ω)
6351D	2.5mm <sup>2</sup> /14AWG	5.94±0.1 mm	47/0.25	1000	≤8.21mΩ/m
6352D	4mm <sup>2</sup> /12AWG	6.35±0.2 mm	52/0.30	1000	≤5.09 Ω/km
6352DB	4mm <sup>2</sup> /12AWG	6.35±0.2mm	56/0.30	1000	≤5.09 Ω/km
6353D	6mm <sup>2</sup> /10AWG	6.97±0.2 mm	78/0.30	1000	≤3.39mΩ/m
6354D	10mm <sup>2</sup> /8AWG	8.57±0.3 mm	77/0.40	1000	≤1.95mΩ/m

### GENUINE MC4 CONNECTOR SYSTEM



Preassembled leads	4mm <sup>2</sup> leads	6mm <sup>2</sup> leads
1 metre	MC4.0FXL/EN/UL/100	MC6.0FXL/EN/UL/100
3 metre	MC4.0FXL/EN/UL/300	MC6.0FXL/EN/UL/300
5 metre	MC4.0FXL/EN/UL/500	MC6.0FXL/EN/UL/500
10 metre	MC4.0FXL/EN/UL/1000	MC6.0FXL/EN/UL/1000
12 metre	MC4.0FXL/EN/UL/1200	MC6.0FXL/EN/UL/1200
15 metre	MC4.0FXL/EN/UL/1500	MC6.0FXL/EN/UL/1500

### MC4 IN-LINE-FUSES



In-Line Fuse PV-K/ILF				
Part No.	DC(V)	Lead length (cm)	Current rating (A)	Connector system
55000129-0050UL	1000	50	20	MC4
55000192-0055UL	1500	55	20	MC4

MC4-Evo 2 In-Line-Fuse (PV-K/ILF2)				
Part No.	DC(V)	Lead length (cm)	Current rating (A)	Connector system
32.0329	1500	59	15	MC4-Evo 2
32.0330	1500	59	20	MC4-Evo 2

### MC4-EVO 2 Y-SPLITTER



MC4-Evo 2 Y-Splitter (PV-K/SPL-Y)				
Part No.	DC(V)	Lead length (cm)	Current rating (A)	Connector system
32.0333	1500	50	53	MC4-Evo 2
32.0334	1500	50	53	MC4-Evo 2



### TOOLING STRIPPING PLIERS



Stripping pliers	
Part No	Description
32.6027-156	PV-AZM-156
32.6027-410	PV-AZM-410

### CRIMP TOOL



MC4 & Evo 2 crimp tool (includes locator and insert)		
Part No	Description	Connector system
32.6020-19100	PV-CZM-19100	MC4
32.6020-41100	PV-CZM-41100	MC4-Evo 2
32.6025	PV-CZM-BS	MC4

### OPEN END SPANNER (PAIR)-MC4-EVO 2



Part No	Description
32.6058	PV-MS-PLS

### OPEN END SPANNER (PAIR)-MC4



Part No	Description
32.6024	PV-MS

### PV-WZ TORQUE TOOL SET



Torque Tool Set	
Part No	Description
32.0065	PV-WZ-Torque-Set
32.0066	PV-WZ-AD-CHWD
UZ1043	PV-WZ-DS-W
UZ1045	PV-WZ-AD-SNH.35/SQ12.7

### TEST PLUGS



TEST PLUG MC4



TEST PLUG MC4-EVO 2

### SETS & KITS



Sets & Kits	
Part No	Description
624 105-32 RT	Crimping Kit for Types MC4/Titan/M4/Loom
624 570 1 1 RT	Crimp System Tool
624 1194 3 0 RT	Die Set only
624 1194 0 01 RT	Locator only
624 817 0 0 RT	Die Set only
624 817 0 01 RT	Locator only
700 015 36 RT	Cable cutter
708 226-1 3 RT	stripper for solar wire

### SEALING CAPS

SEALING CAPS MC4, MC4-EVO 2



DUST CAPMC4, MC4-EVO 2

