

SOLAR

About Us

Since 1997 i-Powers has been serving the Taiwan renewable energy industry with innovative and quality Balance of System (BoS) solutions and valueadd services.

We continually strive to offer products with the highest standards of quality, on-time delivery and cost-effectiveness - all important factors our customers need to succeed.

Contact Us



(02) 2995 6166



7F.-2, No. 12, Ln. 609, Sec. 5,
Chongxin Rd , Sanchong Dist,
New Taipei City , Taiwan (R.O.C.)



www.i-powers.com.tw



i-Powers
Network

i-Powers for a diverse range of products from reputable manufacturers who are leaders in their field and have long, stable corporate backgrounds. Our solutions are considered in the industry as "best-in-class" and we are privileged to have supported over 1,800 MW of solar projects in Taiwan across the residential, commercial and large scale segments.

I-POWERS CABLES & ELECTRICAL

POPULAR PRODUCTS FOR SOLAR PV



GENUINE MC4 CONNECTOR SYSTEM



PV-KBT4 Range			
Female (socket) Cable Coupler	Conductor size (mm ²)	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 ²)	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 ²)	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 ²)	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 ²)	Conductor Stranding (mm ²)	Outer Diameter (mm)	Voltage Rating (V)	Conductor DC Resistance (Ω)
6351D	2.5mm ² /14AWG	5.94±0.1 mm	47/0.25	1000	≤8.21mΩ/m
6352D	4mm ² /12AWG	6.35±0.2 mm	52/0.30	1000	≤5.09 Ω/km
6352DB	4mm ² /12AWG	6.35±0.2mm	56/0.30	1000	≤5.09 Ω/km
6353D	6mm ² /10AWG	6.97±0.2 mm	78/0.30	1000	≤3.39mΩ/m
6354D	10mm ² /8AWG	8.57±0.3 mm	77/0.40	1000	≤1.95mΩ/m

GENUINE MC4 CONNECTOR SYSTEM



Preassembled leads	4mm ² leads	6mm ² 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-09WD
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/Lonni
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 MC4, MC4-EVO 2



DUST CAP MC4, MC4-EVO 2

