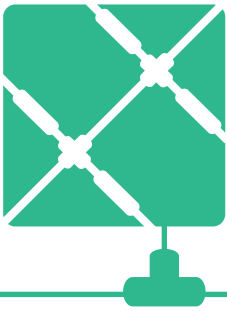




HIKAM AMERICA INC.

PROFESSIONAL PHOTOVOLTAIC CABLE SOLUTIONS





WIRE HARNESS FOR FIRST SOLAR SERIES 4



Features

Built for First Solar Series 4 Modules

- Designs for 1500V and 1000V system architecture
- Designs for all structures
- Designs with many wire color options

Reduces BOS Cost

- Reduces BOS cost by aggregating strings in parallel
- Reduces electrical field labor with pre-manufactured harnesses
- Product Roadmap includes innovations to improve cost

Certifications

- UL 9703 Listed Product
- EN50618 compliant
- UL4703 PV Wire, UL2579 Fuses, UL6703 Connectors

100% electrically 5 point tested

- Ensuring harnesses are functional and defect free
- Visual Inspection, Continuity Test, Resistance check, weight check, wet-leakage testing (<1 μ A)

5-year standard workmanship warranty

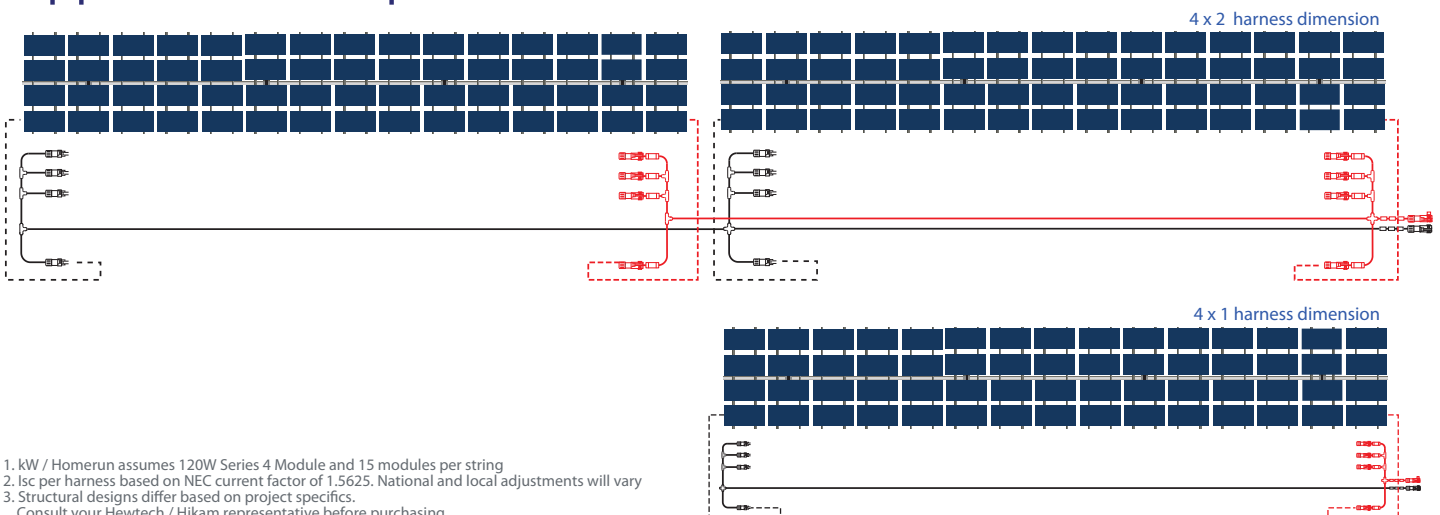
- Accelerated environmental chamber testing to simulate 25 year life



Product Information

Harness Dimension (module x string)	Module Type	kW / Homerun	String Count	In-line fuse rating	Isc per harness	Connector Type
3 x 1	Series 4	5.4 kW	3	4A	8.7 A	MC4
4 x 1	Series 4	7.2 kW	4	4A	11.6 A	MC4
5 x 1	Series 4	9.0 kW	5	4A	14.5 A	MC4
3 x 2	Series 4	10.8 kW	6	4A	17.3 A	MC4
6 x 1	Series 4	10.8 kW	6	4A	17.3 A	MC4
7 x 1	Series 4	12.6 kW	7	4A	20.2 A	MC4
4 x 2	Series 4	14.4 kW	8	4A	23.1 A	MC4
3 x 3	Series 4	16.2 kW	9	4A	26.0 A	MC4
5 x 2	Series 4	18.0 kW	10	4A	28.9 A	MC4

Application Example



1. kW / Homerun assumes 120W Series 4 Module and 15 modules per string
2. Isc per harness based on NEC current factor of 1.5625. National and local adjustments will vary
3. Structural designs differ based on project specifics.
Consult your Hewtech / Hikam representative before purchasing



WIRE HARNESS FOR FIRST SOLAR SERIES 6



Features

Built for First Solar Series 6 Modules

- Designs for 1500V and 1000V system architecture
- Designs for all structures
- Designs with many wire color options

Reduces BOS Cost

- Reduces BOS cost by aggregating strings in parallel
- Reduces electrical field labor with pre-manufactured harnesses
- Product Roadmap includes innovations to improve cost

Certifications

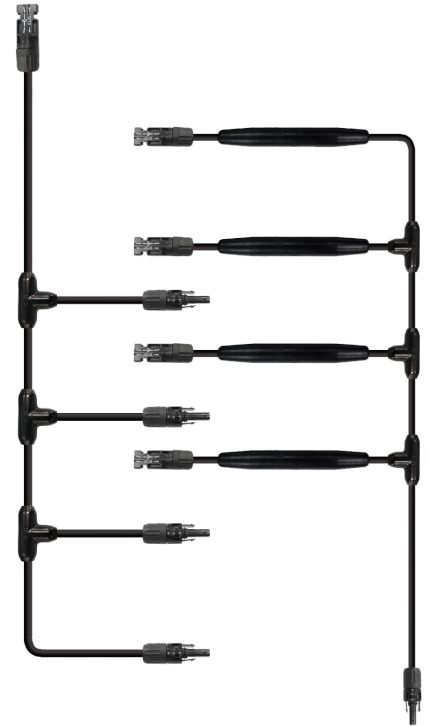
- UL 9703 Listed Product
- EN50618 compliant
- UL4703 PV Wire, UL2579 Fuses, UL6703 Connectors

100% electrically 5 point tested

- Ensuring harnesses are functional and defect free
- Visual Inspection, Continuity Test, Resistance check, weight check, wet-leakage testing ($<1 \mu A$)

5-year standard workmanship warranty

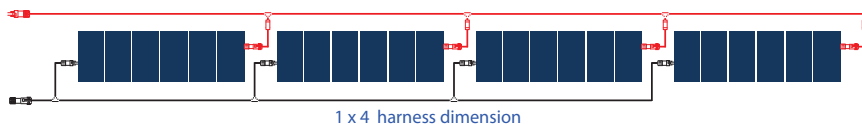
- Accelerated environmental chamber testing to simulate 25 year life



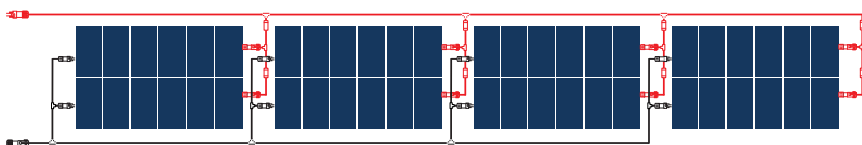
Product Information

Harness Dimension (module x string)	Module Type	kW / Homerun	String Count	In-line fuse rating	Isc per harness	Connector Type
1 x 4	Series 6	10.3 kW	4	6A	16.6 A	MC4 or MC4 EVO2
1 x 5	Series 6	12.9 kW	5	6A	20.7 A	MC4 or MC4 EVO2
1 x 6	Series 6	15.5 kW	6	6A	24.8 A	MC4 or MC4 EVO2
2 x 3	Series 6	15.5 kW	6	6A	24.8 A	MC4 or MC4 EVO2
3 x 2	Series 6	15.5 kW	6	6A	24.8 A	MC4 or MC4 EVO2
1 x 7	Series 6	18.1 kW	7	6A	29.0 A	MC4 or MC4 EVO2
2 x 4	Series 6	20.6 kW	8	6A	33.1 A	MC4 or MC4 EVO2
4 x 2	Series 6	20.6 kW	8	6A	33.1 A	MC4 or MC4 EVO2

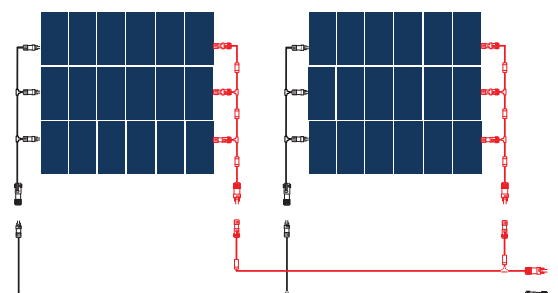
Application Examples



1 x 4 harness dimension

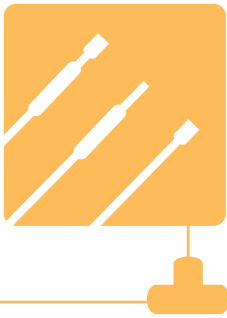


2 x 4 harness dimension



3 x 2 harness dimension

1. kW / Homerun assumes 430W Series 6 Module and 6 modules per string
2. Isc per harness based on NEC current factor of 1.5625. National and local adjustments will vary
3. Structural designs differ based on project specifics.
Consult your Hewtech / Hikam representative before purchasing



JUMPERS, WHIPS & ACCESSORIES



String Jumpers

Built for PV System interconnections

- Designs for 1500V and 1000V system architecture
- Designs for all structures
- Designs with many wire color & gauge options (#8 - #12)

Certifications

- UL 9703 Listed Product
- EN50618 compliant
- UL4703 PV Wire, UL2579 Fuses, UL6703 Connectors

100% electrically 5 point tested

- Ensuring harnesses are functional and defect free
- Visual Inspection, Continuity Test, Resistance check, weight check, wet-leakage testing (<1 μ A)

5-year standard workmanship warranty

- Accelerated environmental chamber testing to simulate 25 year life



Whips (Pig tails)

Built for PV Project Sites & Combiner Box Applications

- Designs for 1500V and 1000V system architecture
- Designs for all structures
- Designs with many wire color & gauge options (#8 - #12)

Certifications

- UL 9703 Listed Product
- EN50618 compliant
- UL4703 PV Wire, UL2579 Fuses, UL6703 Connectors

100% electrically 5 point tested

- Ensuring harnesses are functional and defect free
- Visual Inspection, Continuity Test, Resistance check, weight check, wet-leakage testing (<1 μ A)

5-year standard workmanship warranty

- Accelerated environmental chamber testing to simulate 25 year life



Replacement In-Line Fuse (RILF) Kit

Built for Quick On-site Maintenance

- Designs for 1500V and 1000V system architecture
- Designs for all structures (2.5A - 30A)
- Designs with many wire colors, gauge options (#8 - #12)

Certifications

- UL 9703 Listed Product
- EN50618 compliant
- UL4703 PV Wire, UL2579 Fuses, UL6703 Connectors

100% electrically 5 point tested

- Ensuring harnesses are functional and defect free
- Visual Inspection, Continuity Test, Resistance check, weight check, wet-leakage testing (<1 μ A)

5-year standard workmanship warranty

- Accelerated environmental chamber testing to simulate 25 year life



Introduction

At HIKAM AMERICA, Inc., we have three decades of experience as a turnkey manufacturer of wiring harnesses, and 6 years of specialized experience with Solar Harness Assemblies. Our ISO-9001 & UL9703 certified manufacturing facilities are based in Mexicali and Guasave, Mexico, with our sister factory (Hewtech Shenzhen) in Shenzhen, China.

HIKAM's strength in offering the highest quality products, competitive prices, and excellent customer service is what sets us apart from our competitors.

Quality Assurance

The HIKAM Quality Assurance Program strives for ZERO defects & a Commitment to Excellence.

All HIKAM PV wire harnesses are 100% 5-point tested to ensure functionality, durability and defect-free.



Visual Inspection



Continuity Test



Resistance Check



Weight Check



Wet-leakage Test

Offices & Factories



HIKAM AMERICA INC.
Headquarters & Business development
Chula Vista, CA., USA
<http://www.hikam.com/>



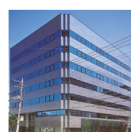
HIKAM ELECTRONICA DE MEXICO, S.A. DE C.V.
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HIKAM TECNOLOGIA DE SINALOA, S.A. DE C.V.
Manufacturing
Guasave, Sinaloa, Mexico



HEWTECH HONG KONG LTD
Business development
Hong Kong, China (P.R.C.)



HIRAKAWA HEWTECH CORP.
Headquarters & Business development
Tokyo, Japan
<https://www.hewtech.co.jp/e/index.html>



HEWTECH KOGA GENERAL R&D PLANT
R&D & Business development
Koga, Ibaraki Prefecture, Japan



HEWTECH (SHENZHEN) ELECTRONICS CO., LTD
Manufacturing
Shenzhen, China (P.R.C.)



HEWTECH (LIANYUNGANG) ELECTRONICS CO., LTD
Manufacturing
Lianyungang, Jiangsu Province, China (P.R.C.)

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