

## Amphenol Renewable Energy Market



<http://www.amphenolltw.com>



# Amphenol LTW

## Our History

LTW Technology, established in 1993, is a professional designer and manufacturer of waterproof connectors. In April of 2010, LTW Technology was acquired by Amphenol Group and officially changed its company name to “Amphenol LTW Technology Co., Ltd.”.

Amphenol LTW actively devotes to various outdoor and industrial applications by successfully developing high-end waterproof connectors to meet strict requirements; also has many worldwide patents and certification such as ISO 14001, ISO 9001 and NMEA 2000. Amphenol LTW is not only a supplier of waterproof connectors but also a solution provider in diversified market segments.

## Our Mission

Amphenol LTW is fully committed to fulfill every customer’s desire in their interconnection needs. The customized ability and wide-ranging products make us unique from competitors. Furthermore, high standard in product quality and outstanding customer service are to be expected.

- Customized capability for all interconnect solution
- Breakthrough innovation
- High standard in product quality
- Worldwide customer base
- Wide-ranging products for your market segment needs

The world’s preferred interconnect solution provider—Amphenol LTW Technology.



# Renewable Energy Market

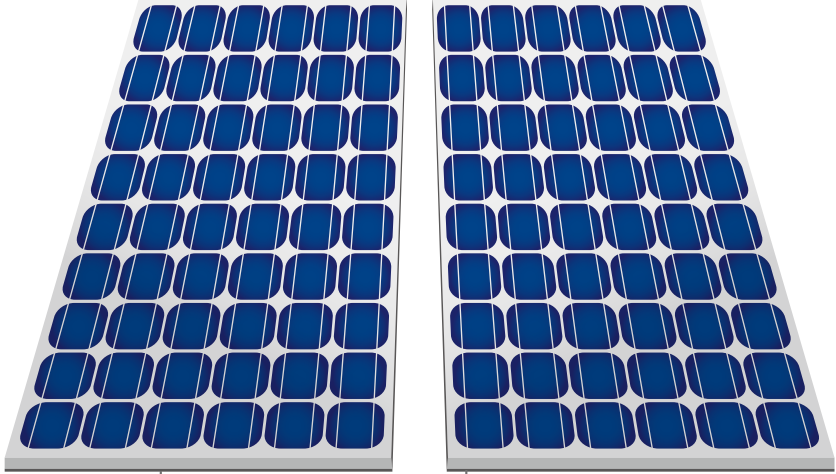
Amphenol LTW's knowledge and experience in providing solutions for Renewable energy market is second to none. We know that interconnect solutions used in such applications require long life time in outdoor environment, subject to UV light, harsh temperatures, water ingress and other forces of nature.

Amphenol's connectors and cable assemblies are engineered to work in any conditions and to adhere to the strictest international requirements. We pioneered many solutions for

Heliostats, trackers, Inverters and micro-inverters, wind turbines – making installations easy, fast and reliable.

Whether you need power connectors, signal connectors, hybrid connectors, complete cable assemblies, or a highly customized value-added product, Amphenol LTW has the right solution for your Renewable Energy application.

## Solar Panel



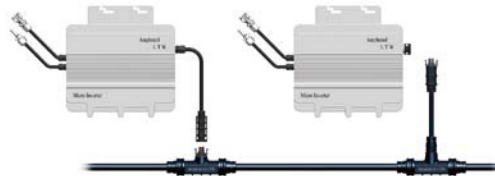
**Micro Inverter**

**Inverter**

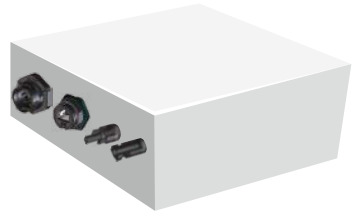
\* BMC Daisy Chain



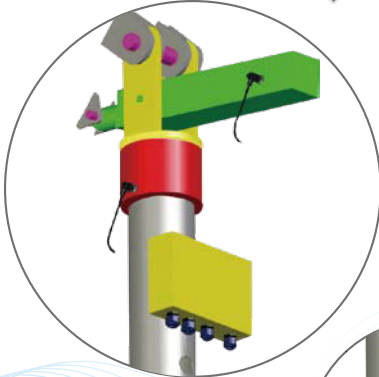
\* VTC Trunk & Drop



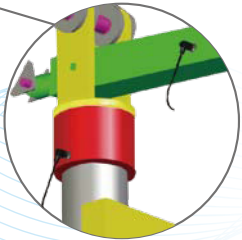
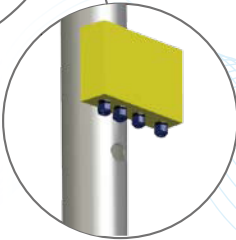
\* AC Module



# Solar Tracker Application



Controller



Amphenol LTW

# Product Focus

## ∟ VTC



- 3 or 4 Contacts
- 300 V/AC, 5A Drop, 30A Trunk
- IP 67 waterproof
- UV Resistant
- Operating temperature :  
-40°C ~ +85°C
- Intertek approved to UL6703A & UL9703

- Uninterrupted cable - Lower power drop than conventional cabling systems
- Various configurations of pitch and T Connector Quantity
- Cable End-Cap and Cable Joiner available
- Ease of installation and service

1

## ∟ BMC



- 3 & 4 Contacts
- 300V AC, 17A
- Cable TC-ER, UV resistant
- Operating temperature :  
-40°C ~ +85°C
- Safety Locking

- ETL approved according to UL 6703A
- Overmolded with cable, plug-n-play
- IP 67 waterproof
- Touch Safe (IP2X)

2

## ∟ PWJ & PWH



- Panel mounts & Field Installables available
- Three-point lock to enable more secure locking
- IP 68 Waterproof protection:  
3meters/ 6 hours
- Touch Safe (IP2X)

- TamperProof Seal Against Theft - meet NEC Standard
- Long Life Expectancy
- UV resistant
- Reliable connectivity for high-vibration environments
- Operating temperature :  
-40°C~+105°C

3

## ∟ Cable Joiner



- Simple and reliable cable interconnections
- Meet various cable OD and wire sizes
- Safety locking outlined in UL6703A

- Quick installation: standard crimping butt terminals or screw terminal blocks
- IP 67 waterproof

4

## Accessories

1 3  
2 4



Unlocking Tool

1



Dust Covers

1



VTC Waterproof Caps

1



Cable Joiner

1



Cable End Cap

2



BMC Waterproof Caps

3



Cap

2



PW II Crimp Tool

# Product Focus

## └ M12



- M8, M12, 7/8" (Mini) Type
- Small, compact and rugged design available in IP68 /IP67
- Stamped, screw-in, PCB and solder contacts available
- Panel mounts, Molded With Cable & Field Installables available

- Reliable connectivity for high-vibration environments
- Meets industry standards (IEC, NMEA2000, ODVA)
- UL/CSA Approval (Available Soon)
- Hybrid available upon request

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## └ RJ45



- Screw Threaded or lock Bayonet Type
- IP67/IP68 mated and unmated waterproof
- Panel mounts, Molded With Cable & Field Installable available
- Shielded & Unshielded versions

- Fast connectivity Networking in Harsh environments
- IDC, RJ Jack in 180&90deg., Terminal Block and Cable terminated
- Meets industry standards (ODVA, ProfiNet)
- UV Resistant

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## └ USB



- Screw Threaded or Lock Bayonet Type
- USB A, USB B and Mini USB
- IP67/IP68 mated and unmated waterproof
- Panel mounts, Molded With Cable available

- UV Resistant
- Operating temperature: -20°C ~ +80°C
- Easy & simple connection structure
- PnP - plug and play
- Master/Slave framework

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## └ Circular



- Screw Threaded Type, Lock Bayonet Type, Push Lock
- Panel mounts, Molded With Cable & Field Installable available
- Hybrid Connectors-Power and Data
- Options from 2 to 31 contacts, 2A to 20A

- Various sizes, over 1000 items, plastic and metal
- UV Resistant
- Waterproof IP65~IP68
- Operating temperature : -40°C ~ +85°C
- Customizations are possible

8

## Accessories

5



M12 Cap

5



M12-T Adaptor

5



M12-T Cable

6



RJ45 & USB Caps

6



Box

7



Box

8



Circular adaptor

8



Circular Cap

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