Amphenol LTW Technology Co., Ltd.

Amphenol Renewable Energy Market

http://www.amphenolltw.com

Innovation in Waterproof Solution
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.

Innovation in Waterproof Solution
Amphenol LTW’s knowledge and experience in providing solutions for the renewable energy market is second to none. We recognize that interconnect solutions are subject to exclusive outdoor environments, UV light, harsh temperatures, water ingress and other forces of nature.

Amphenol’s connectors and cable assemblies are engineered to work in any condition and adhere to the strictest international requirements. ALTW pioneered many solutions for products such as heliostats, trackers, inverters, microinverters, and wind turbines – making installation easy, fast and reliable.

Amphenol LTW has the right solution for your renewable energy applications. When you need power, signal, or hybrid connectors, or complete cable assemblies and highly customized value-added products you can trust the expertise of ALTW.

ALTW truly understands the cost, time and quality associated with the installation and integration of various renewable energy equipment. ALTW's Patented VTC Systems will help you reach your objective by reducing the installation time of cables and wires by 20% to 80%. The labor and Bill of Materials cost will be dramatically reduced. ALTW’s VTC connectors and interface systems will adapt to your needs and requirements, putting an end to the worry of compatibility in your system.
Solar Panel

Micro Inverter

* BMC Daisy Chain
* VTC Trunk & Drop
* AC Module

Inverter

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Solar Tracker Application

Controller

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**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 then conventional cabling systems
- Various configurations of pitch and T Connector Quantity
- Cable End-Cap and Cable Joiner available
- Ease of installation and service

### 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)

### 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

### 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

### Accessories
- Unlocking Tool
- Dust Covers
- VTC Waterproof Caps
- BMC Waterproof Caps
- Cap
- PW II Crimp Tool
- Cable Joiner
- Cable End Cap

* Design and specifications are subject to change without notice.
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

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

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

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

Accessories
- M12 Cap
- M12-T Adaptor
- M12-T Cable
- RJ45 & USB Caps
- Box
- Circular Adaptor
- Circular Cap

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