



# Pac Components NEWSLETTER

May/June 2019

## OUR PARTNERS YOUR SUCCESS

Welcome to our PaC Components May/June 2019 Newsletter.

### **We have moved to our new office!!!!**

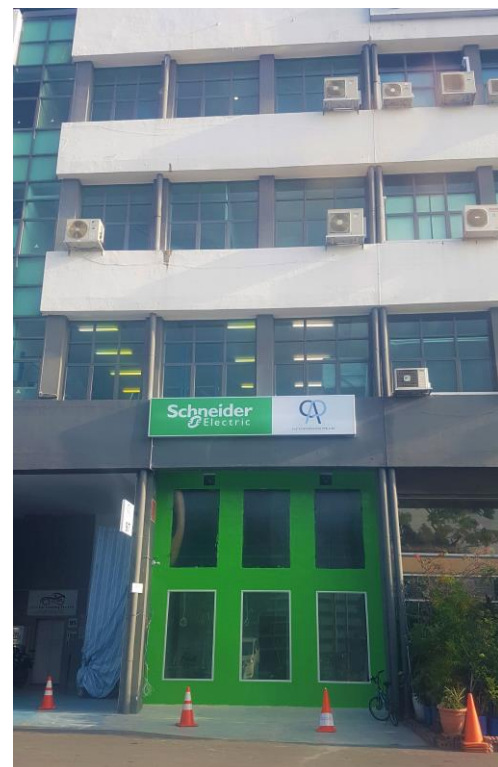
Hello

These months have been busy for everyone at PaC, as we were shifting to our new office at Kaki Bukit area. Our official shift date was 23 April. We all look forward to better support our customers from our new location and facilities. Our new office will come with innovative design features, including fully functional Electric Vehicle AC and DC charging systems, sensor switches, solar systems and other energy saving features.

We are thankful to all customers and suppliers for their support all these years. Our new location will bring us further together for the times ahead. Cheers!



*PaC Singapore office entrance*



*PaC Singapore new office building*



*Main Conference room*



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### Product News - ■■ TRACO POWER

#### THL 15WI – New 15 Watt DC/DC converter

#### Traco quality in a cost efficient design – 15 Watt DC/DC converter

- 15 Watt converter in a 1" x 1" metal package
- Cost efficient design
- Ultra wide 4:1 input voltage range: 9-36 and 18-75 VDC
- Operating temperature range -40 to +70 °C without derating
- Internal EN 55032 class A filter
- 1500 VDC I/O-isolation
- Protection against overload, overvoltage and short circuit
- Remote On/Off and Trim function
- Optional heatsink for increased temperature capabilities
- 3-year product warranty



CB  
Scheme  
IEC/EN 62368-1

The THL 15WI series is Traco Power's latest addition to the existing 15 Watt DC/DC converter range. With the focus on combining cost efficiency and quality this isolated high performance 15 Watt DC/DC converter is suitable for many different applications.

The series comes in an encapsulated, shielded 1" x 1" x 0.4" metal package and has a fully integrated EN 55032 class A filter. High efficiency up to 91% enables the converter to operate from -40°C to +70°C without derating. All models have an ultra wide 4:1 input voltage range and precisely regulated, isolated outputs.

The series meets the latest IT safety certifications (UL 62368-1) and is thus eligible for uses in mobile equipment, instrumentation, distributed power architectures in communication and industrial electronics and everywhere where cost efficiency and quality are critical factors.

Model and Datasheet:



THL 15WI



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### Product News - ■■ **TRACO POWER**

## **New Industrial DIN-RAIL Power Supplies**

New models with additional output voltages for TIB series and new TIB-EX series with ATEX and UL HazLoc certification

The TIB family of next generation DIN rail power supplies covering 80 ~ 480 watts of continuous power feature a high efficiency or 90 ~94% which enables a slim design that can be mounted on either the rear (typical) or side (flat panels) of the power supply. Traco Power now expands this successful product lines with new models and a new series (TIB-EX) with ATEX and UL HazLoc certification.

The TIB (-EX) series is a generation of DIN-rail AC/DC power supplies that combines the most efficient circuit topology with optimized cost/performance ratio for industrial applications. Traco Power now gives the TIB series a huge update by extending the series with new 12 VDC and 48 VDC output voltages. In addition Traco Power has launched a new series (TIB-EX) with ATEX and UL HazLoc certifications. In the course of this update we also extended the operating temperature range (lower start-up temperature).

This enables a much wider industrial application use in general and also allows the TIB-EX series to be used for applications in hazardous environments. Additionally the TIB-EX series provides an extended 5 year product warranty.



**TIB Series**

Datasheets -

<https://assets.tracopower.com/20190412132953/TIB/documents/tib-datasheet.zip>



**TIB-EX Series**

Datasheets -

<https://assets.tracopower.com/20190412132953/TIB-EX/documents/tib-ex-datasheet.zip>



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## *JMO Display on HMI LCD with Touch capability*



<b>LCD</b>	Size	4.3"
	Resolution	800*480
	Luminance	300~600
	IPS/TN	IPS
<b>CTP</b>	Touch Finger	5
	waterproof	Wet touch
	thickness of cover lens	0.5 air gap+4MM cover lens
	glove touch	Support
<b>mainboard</b>	CPU	Quad-core Cortex™-A7
	GPU	Mali400MP2
	Memory	1GB DDR3L/3
	storage	2G Nand flash
	O/S	Android/Linux
	Video	1080p@60fps
	Audio	Integrated Hi-Fi audio codec
	WIFI	WITH
	Operate temperature	-20+70
	storage temperature	-30+85
I/O	8*GPIO 5*UART 2*USB 4*TWI	



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### Welcome to our PaC Components May/June 2019 Newsletter.

We are pleased to announce our partnership with Schneider Solar for the distribution and support for the following products;

#### Conext SW Solar Hybrid Inverter System



##### Proven value for off-grid, backup power and self-consumption

Conext™ SW is perfect for off-grid, backup power and self-consumption applications for homes and small businesses, it is a pure sine wave, hybrid inverter system with switchable 50/60 Hz frequencies, providing power for every need. For expanded off-grid capacity, the Conext™ SW is integrated with fuel-based generators as required to support loads larger than the generator's output. It's also self-consumption ready, able to prioritize solar consumption over the grid while maintaining zero grid export. The Conext™ SW works with the grid to avoid peak utility charges and support the grid when utility supply is limited. Accessories include pre-wired universal DC distribution panel and AC distribution panels.

#### Solar charge controller



##### MPPT multi-stage charging, better battery life

The Conext™ MPPT 60 150 is a photovoltaic (PV) charge controller that tracks the maximum power point of a PV array to deliver the maximum available current for charging batteries. When charging, the MPPT 60 150 regulates battery voltage and output current based on the amount of energy available from the PV array and state-of-charge of the battery

#### Conext SCP: Solar System Control Panel



##### Monitor and configure Conext Inverter Charger Systems and Xanbus enabled accessories

The Conext™ System Control Panel (SCP) eliminates the need for separate control panels for each device and gives a single point of control to set up and monitor the entire Conext inverter charger system, including Conext MPPT Solar Charge Controllers. Featuring a graphical backlit liquid crystal display, the SCP selectively displays configuration, status and diagnostic information for all devices connected to the Xanbus™ network.

#### Conext ComBox Communications Device



##### Advanced diagnostics for solar and battery systems

The Conext™ ComBox is a powerful communication and monitoring device for installers and operators of Conext solar systems. It features an integrated web server, enabling graphical displays of system daily, monthly and lifetime energy data to be viewed using a simple web browser or Android™ tablet device. Installers can change or configure the settings of Conext devices through the user-interface on the ComBox and respond to system email alerts promptly. A user-configurable data logger and an integrated FTP server provide the system owner with powerful analytics tool for data download and analysis. Modbus™ interface on the ComBox links Conext devices with third-party systems through RS-485 or Ethernet ports. For large multi-cluster systems, the ComBox can be set up in a master-slave configuration. Conext™ ComBox easily connects with Conext™ Insight to enable you to remotely monitor a portfolio of sites from any internet connected device like a laptop or a tablet.

#### Conext XW+ PDP Solar Power Distribution Panels



##### Save installation time and money with the factory-wired and labeled Power Distribution Panels for the XW+ system

The Conext™ XW+ Power Distribution Panels (XW+ PDP and Mini PDP) are factory-wired and labeled to support the integration of multiple [Conext XW+ inverter/chargers](#) and Conext MPPT Solar Charge Controllers with a single battery bank. The XW+ PDP and Mini PDP ships with breakers, bus bars and cables to install a single XW+ inverter/charger. With space to add wiring and breakers, a single XW+ PDP and Mini PDP supports one XW+ inverter/charger, a diesel generator and either an [MPPT 80 600](#) or [MPPT 60 150](#) Solar Charge Controller. The XW+ PDP and Mini PDP support single-phase, split phase or three-phase installations. A field-reversible door and multiple conduit knockout entry points allow for the XW+ PDP and Mini PDP enclosure to be mounted and configured on either side of the inverter/charger. Conext XW+ Power Distribution Panels help you save significant time and money during installation when compared to custom solutions. A mounting bracket and Conext XW+ Conduit Box are also supplied with each XW+ PDP and Mini PDP.

#### Conext CL-60E String Inverter



##### The ideal solution for decentralized power plants and large commercial buildings

Turn a rooftop or unused land into a profitable source of green, renewable energy, with the Conext™ CL-60 String Inverter. With the capability of sustaining a maximum output of 66 kW power, CL-60 is Schneider Electric's most powerful and efficient string inverter.

Along with Schneider Electric's rigorous reliability procedures, Conext™ CL-60 is durable and designed for long-term reliability. With an industry-leading maximum efficiency of 98.9%, it reduces your operating costs and your Levelized Cost of Energy (LCOE). For commercial properties or decentralized utilities seeking a solar solution that generates the maximum power, easy and quick services, while promoting grid stability—the Conext™ CL-60 is the smart business choice.

Conext™ CL-60 is the smart business choice.

If you have any queries, please do not hesitate to contact us. Thank you.