Switchgear

Tri-Load Distribution Boards

Features

- **Unique three sectioned metered design** - Configurable as a power and lighting board or power, lighting and mechanical services
- **Tri-Load renewable** - power, lighting and integration of PV / wind within the distribution board, capturing export energy data as part of the standard metering function
- **Pre-installed** - Metering and incomer pre-wired for hassle free installation
- **Single piece main busbars** - Design eliminates potential hotspots
- **L2 Building Regulations** - Aids compliance to L2 Building Regulations simplifying specification
- **MID approved versions** - An additional MID meter is included for billing purposes

HAVELLS

Tri-Load

With an ever increasing focus on the cost of energy, understanding energy consumption is a key element of the building regulations. Havells have a variety of integrated metering solutions for electrical distribution boards including the unique Tri-Load board.

Tri-load is the only standard distribution board that conveniently separates small power circuits, lighting circuits and mechanical services loads and provides net energy values of each load type. Tri-load is supplied fully configured and ready to go with the main switch pre-installed. Where required, the board can be easily set up as a power and lighting only board. In this mode, two TP outgoing ways are added to either the lighting or Power section, creating additional flexibility in application.

The metering meets the requirements of IEC 62503-21 Class 1.

Description	Current (A)	Ways	3P Part No.	4P Part No.
12way TPN Type 'B' Tri-Load Distribution Board	200	2+4+6	PSBTL246	PSBTL4P246
18way TPN Type 'B' Tri-Load Distribution Board	200	2+6+10	PSBTL2610	PSBTL4P2610
24way TPN Type 'B' Tri-Load Distribution Board	200	2+10+12	On Request	PSBTL21012
12way TPN Type 'B' Tri-Load Renewable Distribution Board	200	2+4+6	PSBTL246R	On Request
18way TPN Type 'B' Tri-Load Renewable Distribution Board	200	2+6+10	PSBTL2610R	On Request
24way TPN Type 'B' Tri-Load Renewable Distribution Board	200	2+10+12	On Request	PSBTL21012R
12way TPN Type 'B' Tri-Load MID Distribution Board	200	2+4+6	PSBTL246MID	On Request
18way TPN Type 'B' Tri-Load MID Distribution Board	200	2+6+10	PSBTL2610MID	On Request
24way TPN Type 'B' Tri-Load MID Distribution Board	200	2+10+12	On Request	PSBTL21012MID

All Tri-load Distribution Boards are supplied fitted with 200A CBI Circuit Breaker Switch ready for supply cables. For a single phase incoming supply a single phasing kit (PSBTL1NK) is available to facilitate easy conversion of the pre-fitted circuit breaker switch.

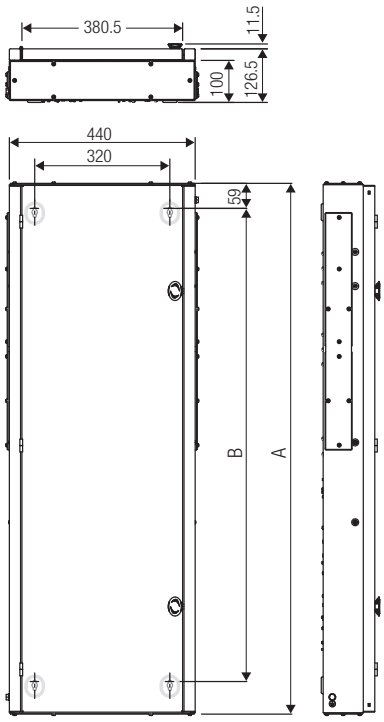
Note: The Triload energy meter is configured to TPN mode as standard but can be easily configured to SPN mode during installation as indicated in the supplied installation manual.

Part No.	Dimension (mm)			Cable Capacities
	Height (A)	Width	Wall Fixing (B)	
PSBTL246, PSBTL4P246, PSBTL246R, PSBTL246MID	1256	440	1120	Max 120mm²* (M8 Fixing)
PSBTL2610, PSBTL4P2610, PSBTL2610R, PSBTL2610MID	1418	440	1282	Max 120mm²* (M8 Fixing)
PSBTL21012, PSBTL21012R, PSBTL21012MID	1580	440	1444	Max 120mm²* (M8 Fixing)

* Recommended 95mm²

Meter Specification
Parameters displayed - kW per phase, KW sum, kWh Import, kWh Export (renewables), V (U1 U2 U3) Phase to neutral, Volt Average, Hz, Current A1, A2, A3 per phase, Current Sum, PF total
Rated Inputs - Voltage (V) 31% to 120% of range maximum, Current (A) 1% to 120% of nominal
Accuracy - Active Energy (kWh) Class 1 IEC 62053-21 section 4.6 Reactive Energy (kVArh) Class 2 IEC 62053-23
Serial communications – Modbus Type 2-wire half duplex, Baud rate: 2400, 4800, 9600, 19200, 38400
Approval - EMC, Emissions – BS EN61326 Class A (industrial) , **EMC, Immunity** – BS EN61326 Class A (industrial), **Safety** – BS EN 61010-1:2001

Note: MID variant includes an additional MID Approved Meter meeting the same accuracy as stated above.



TRILOAD RENEWABLE

As part of the Tri-load range, Triload renewable delivers a uniquely convenient and cost effective management of building services end loads, including the renewable content.

It provides visual and remote collection of data for energy monitoring of Power, Lighting circuits and the generated supplies from PV / wind etc, in a standard MCB board design.

For more information contact:

customerservice.uk@havells.com

SYLVANIA Lumiance Concord

Havells Sylvania UK Ltd
Avis Way, Newhaven, East Sussex, BN9 0ED
Customer Service: 0843 22 753 88
www.havells.co.uk

HAVELLS