

## Tango8P & Tango8PCB

PoE Driven Multi-output Power Supply/Chargers



Altronix Tango8P(CB) PoE Driven Multi-Output Power Supply converts an IEEE802.3bt PoE input into eight (8) regulated 24VDC and/or 12VDC outputs up to 72W. Ideal for access installations, it eliminates the need for a high voltage inside the enclosure. Tango8P(CB) is designed to support a single 12V LiFePO<sub>4</sub> (Lithium Iron Phosphate) battery for 12VDC and 24VDC backup.



### Key Features

- Utilizes 4PPoE (802.3bt) to simultaneously deliver 12VDC & 24VDC for powering access control and security devices
- Built-in Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery charger for optimized power backup
- Operates with Altronix NetWay Midspans such as NetWay1BT, NetWay4BT or NetWay8BT
- Can be installed by any low voltage contractor
- Eight (8) fuse or PTC protected outputs
- Any of the eight (8) outputs are selectable for 12VDC or 24VDC
- Individual outputs may be set to OFF position for servicing
- Lifetime Warranty

### Accessories (order separately)



NetWay8BT



#### NetWay1BT – 802.3bt (4PPoE) Midspan/Injector

- Single port midspan/injector delivers up to 90W max

#### NetWay4BT – 802.3bt Midspan/Injector

- 4-Port midspan/injector delivers up to 90W per port (480W max)

#### NetWay8BT – 802.3bt Midspan/Injector

- 8-Port midspan/injector delivers up to 90W per port (480W max)

### Lifetime Warranty

## Specifications

### Tango1B PoE Driven Power Supply/Charger:

#### Ethernet Input

802.3bt PoE up to 90W or 802.3at up to 30W or 802.3af up to 15W  
 CAT-6 or higher cable is recommended for optimum performance

#### Power Output (when using 802.3bt 90W)

12VDC up to 6.25A (72W), and/or 24VDC up to 3A (72W)  
 Combined output not to exceed 72W

#### When charging batteries:

12VDC up to 5.4A (62W) and/or 24VDC up to 2.7A (62W)  
 Combined output not to exceed 62W

#### Ethernet Output

Pass-through Ethernet Port (data only)

#### Battery Charging

**Capacity** One (1) LiFePO<sub>4</sub> battery within enclosure  
**Type** LiFePO<sub>4</sub> (lithium iron phosphate)  
**Failover** Upon AC loss, instantaneous  
 Unique technology allows for single battery to backup  
 12VDC and/or 24VDC systems  
 Batteries are sold separately

#### Supervision

Loss of PoE Input  
 Battery Supervision

#### Indicators (LED)

**Input** Indicates input voltage is present  
**Output** Indicates normal operating condition  
**PoE Type** PoE Class Indicator  
**Supervision** PoE Fail or BAT Fail

### PDS8/PDS8CB Power Distribution Module:

#### Inputs

12VDC and 24VDC from Tango1B, factory wired

**PDS8 Input Fuse Rating** 10A/32A

**PDS8CB Input PTC Rating** 9A

#### Outputs

**Tango8P:** Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.

**Tango8PCB:** PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings

Any of the eight (8) power outputs are selectable for 12VDC or 24VDC

Individual outputs may be set to OFF position for servicing

#### Indicators (LED)

Individual voltage LEDs

**Green:** 12VDC

**Green and Red:** 24VDC

#### Physical and Environmental

**Dimensions (H x W x D)**

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)

Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

**Weight (approx.)**

Product: 9.0 lb. (4.08 kg)

Shipping: 10.3 lb. (4.67 kg)

**Temperature**

Operating: 0°C to 49°C (32°F to 120°F)

Storage: -20°C to 70°C (-4°F to 158°F)

**Relative Humidity**

85% +/- 5%

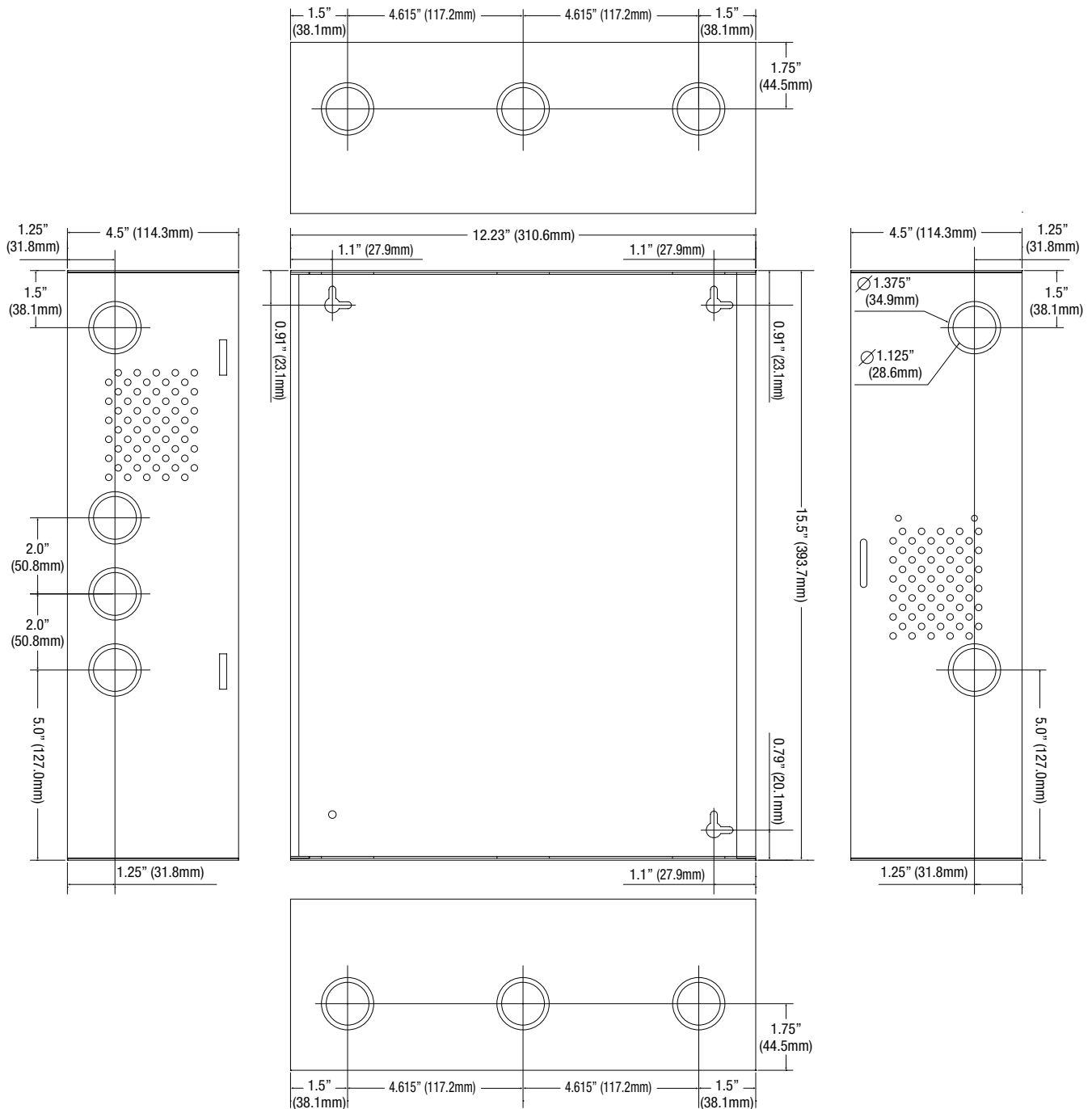
**BTU/Hr. (approx.)**

54 BTU/Hr.

#### Lifetime Warranty

## Dimensions and Drawing

Dimensions (H x W x D approximate)  
 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)



### Lifetime Warranty