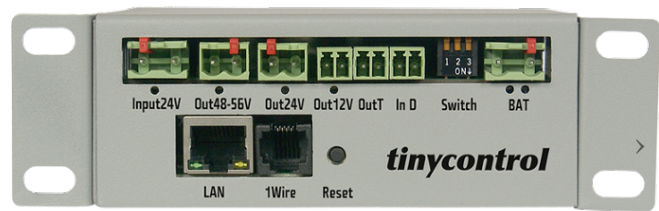


EASY DC/DC CONVERTER

Easy DC/DC.BAT120 converter is very useful in telecommunication systems and wherever we need a guaranteed supply with backup battery and output voltages of 12V, 24V and 48 / 56V.



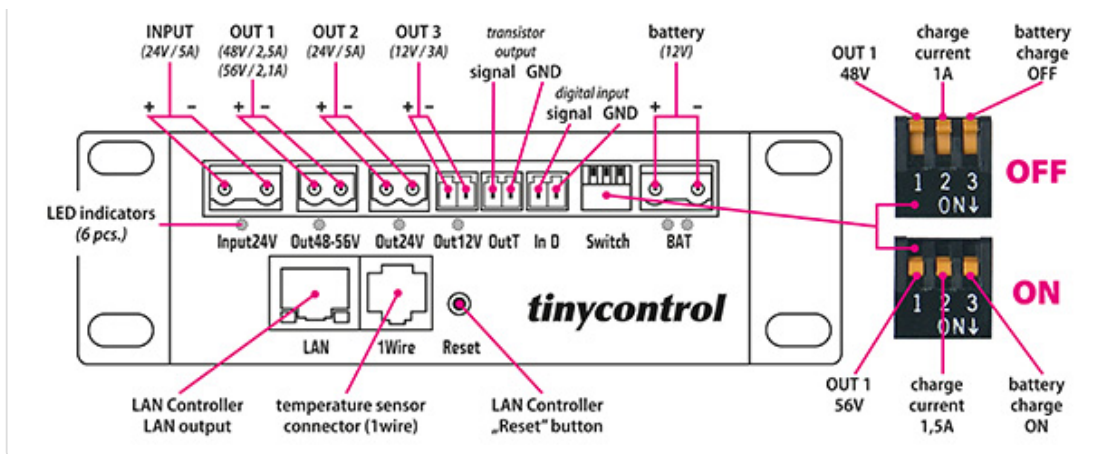
EASY DC/DC CONVERTER

DC/DC.BAT120 converter is very useful in telecommunication systems and wherever we need a guaranteed supply with backup battery and output voltages of 12V, 24V and 48 / 56V.

The first unique feature of our product are the size of three output voltages from a single power supply and backup from a single 12V battery. This gives big savings in the purchase and operation of batteries and power supply devices wherever they require voltage of 24V and 48V. Furthermore, the voltage of 48V can be swit-ched to 56V (often currently encountered in power devices for long ethernet cables).

Another unique feature of the inverter is the ability to manage into the LAN over the Internet. We then have access to information about the lack of power supply, battery voltage, currents at the outputs of 24V and 48 / 56V, and we have the ability to disconnect or reset outputs. Additionally derived is controlled transistor output that can control eg. the relay or fan and a digital input for example. Monitoring the door opening box supply. Additional functionality provides temperature measurement. It features an internal temperature sen-sor and digital bus 1wire port for connecting sensors DS18B20. This way we can measure the temperature at any point in the supply cabinet. All of these measurements can be sent to monitor the server through SNMP and HTTP. A practical solution is also housing 1U rack and an optional bracket for DIN rail mounting.





4x set of DC/DC Converter in house 1U





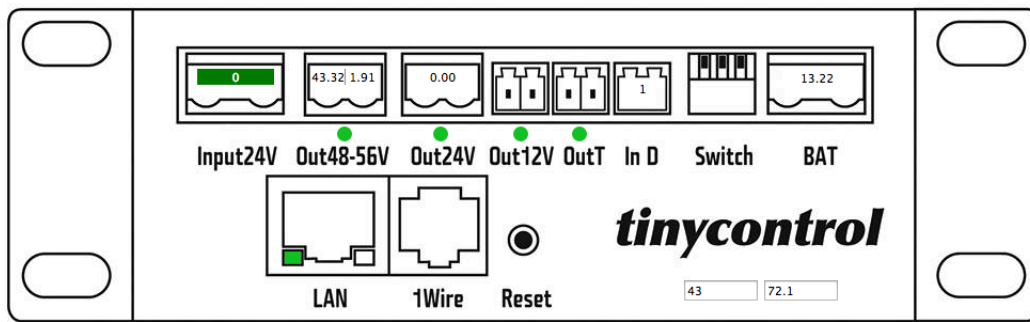
Normal power ratings:

Total power	100W (one of output maximal current, other up to 100W of power consumption)
Recommended power supply	- 24V
Output current 24V	- 4A
Output current 48V	- 2A
Output current 12V	- 1,5A
Output current OutT	- 0.5A

Maximal power ratings (for short time, device wake up), risk of overheating if work on 12V battery backup:

Total power	120W (one of output maximal current, other up to 130W of power consumption)
Recommended power supply	- 24V
Output current 24V	- 5A
Output current 48V	- 2,5A
Output current 12V	- 2A
Output current OutT	- 0.5A

Typical power consumption for all outputs switch on - example:	
Recommended power supply	- 24V
Output current 24V	- 1,8A
Output current 48V	- 0.7A
Output current 12V	- 1A
Output current OutT	- 0.2A
Other parameters:	
Input protection	- 6A
Battery cut-off voltage	- 11V
Recommended battery	acid gel
Operating temperature range	-20 +40C (for higher fan cooling demand)
Case type	1U with the option of mounting on DIN-rail
Dimensions (height x width x length)	45 x 90 x 110 mm (147 mm with holders)
Weight	490 g (460g without holders)
Functional features:	
compact power solution	
3 typical output voltage: 12V, 24V, 48V (or 56V)	
It requires only one 12V battery	
remote management	
Typical uses:	
supply of telecommunication equipment	
power other devices requiring backup power and several output voltages	



Tinycontrol.eu

Idea of this website is design and develop micorprocessor projects for remote sensors and remote controll in IP networks.
It's idea of Internet of Things.