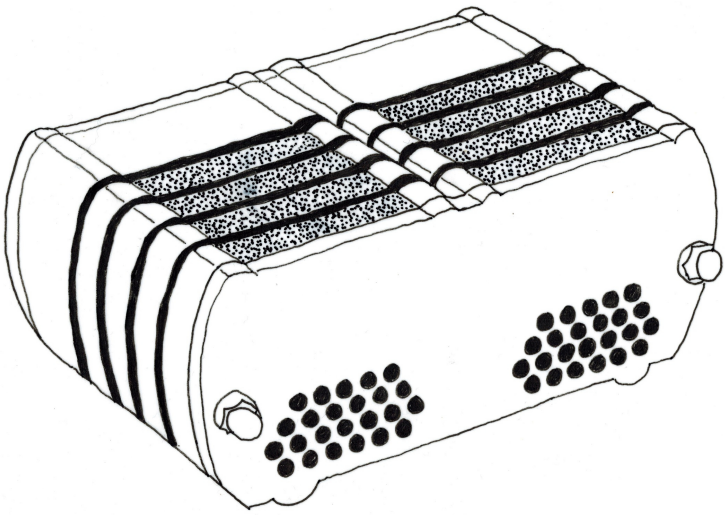
WX MTP61
8 Bay MTP61 Charger



Manual v 1.6

Thank You for buying one of my hand made Chargers. All the information you need is down below. But if you got any questions feel free to contact me@ joppe.peelen@gmail.com

Happy Charging!

Kind regards,
Joppe Peelen

1. How To Use

The charger will hold the battery by a finger in the light guide, the feel might be slightly different between slots and batteries. But should not pop out and lose contact when handled normally.

The use of the charger is as simple as putting the batteries in (the correct way around.

if the battery is low it will start charging instantly.
If the battery is almost full the charger might not start to charge since it was not below the voltage threshold.
If you want to force it to charge a battery that is almost full turn the charger off and on using the switch on the back and all batteries that are slightly used will be forced to be topped off.

LED Indications

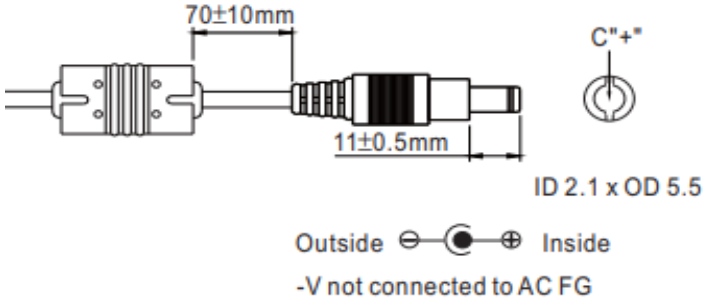
Green LED
The battery is charged. (or almost full when inserted)

Red LED
The slot is charging the battery.

Green with Red Blinking LED
The slot does not hold a battery, the battery might not sit well (wrong way around) battery or charger is faulty.

2. Pin out DC jack

You can connect the charger directly to any DC source in a voltage range of 12-32 volt DC. The power consumption of the charger is max 20 watt. Take this into account when choosing another power source. Positive is on the inside of the connector.



3. Cleaning
   The charger can be cleaned with a damp cloth. To clean the acrylic light guides you can use a q tip.

4. Safety instructions

   - Do not cover the charger or put it on a hot surface, this might damage the housing or might cause the charger to limit the charge current.
   - Do not use no name batteries. They might be badly made and might lack any safety circuits.
   - Do not use an AC adapter or use a higher voltage then 32 volt DC.
   - when using a random DC power brick , check the polarity.
   - I do not recommend using the charger at sub zero (C) temperatures. It will perform but it might result in batteries wearing out premature. Or other failures in the batteries them self.

5. Technical specifications

- Charges all Batteries simultaneous.
- Matched Charging chips within 1% accuracy. (all pcb's are tested manually). 4.16-4.24 volt with a bias towards the lower end to achieve longer battery life.
- External power supply from a well known brand (Meanwell)
- Passive cooling.
- Ability to be fed by a DC power source between 12-48 volts DC (Cart battery or your Car, or a laptop brick)

Power supply specifications

Power	25 Watt (12 volt)
Input range:	85~264 Vac
Certificating:	CE
Cooling :	Passive
Protection :	Short circuit Overload. Over voltage

Charger specification

Charge rate each slot simultaneous :	~450mAh
Charge end voltage accuracy:	Within 1 % accuracy (all manually tested, and chips replaced if they did not meet this 1% criteria)
Protection :	• Overheat Protection: Charger will cycle down charge current if module reaches above 65+- degrees Celsius. • Reverse Polarity Protection • Output over/under voltage • Over current protection • Short circuit protection • Thermal shutdown protection • Soft start
Size :	• (HxWxL) 4.7 x 11.4 x 8.5 cm.
Weight	• ~300 gram excluding power supply

6. Warranty and responsibility

There is a 3 year warranty on labor and components, for consumers.
This excludes miss use of the product , like damage from dropping, liquid damage, or improper use of the product. The power supply has a warranty on its own. And can be claimed at Meanwell or get in touch with me.

- The charger has multiple protections, but i am not responsible for damage to persons or property caused due to miss use of the device or failures of one of the batteries, improper installation, maintenance or operation.
- Do not modify or alter the product.

Replacement Power supply : Meanwell **GST25A12-P1J**