



CDU-1

This is a complementary product to the MPL50 charger & MPL50-Li charger that manages charging of a bank of up to 5 batteries.

It can be either placed under the MPL50/MPL50-Li charger or situated remotely by use of optional link lead.

Power is provided from the MPL50/MPL50-Li. When a battery is disconnected the unit will turn off power to the output making the leads safe from accidental shorts.

The 5 output connectors are compatible with Traction standard yellow 50 Amp lead sets.

The module input is a red 50 Amp connector. A yellow to red interface lead is provided ensuring correct connection.

The status of each channel is indicated by an LED above each connector.

Units can be daisy-chained allowing up to 17 batteries to be connected simultaneously.

## CHARGE PROCESS

The unit will manage the charge by sequencing around each battery, completing the bulk charge process, then it will move onto the next battery.

If a new battery is connected it will be added into the sequence.

Once all batteries have been charged to the bulk stage the unit will complete the top off charge on each battery and then go into maintenance mode.

After the bulk charge stage, the batteries will be charged to around 70% of capacity. They can be removed at this stage (for faster turnaround of large batches of batteries) or left on for longer to achieve a full charge.



## USER GUIDE

Only use the equipment in a dry, well-ventilated environment.

Connect from the charge bank adaptor red socket to the MPL charger yellow O/P socket using the supplied lead.

Select the correct battery type on the MPL and connect the individual batteries to the charge bank adaptor yellow outlet connectors, one battery per outlet.

Ensure the MPL charger is fed from the correct main voltage then turn the MPL charger on.

The charge bank adaptor will select a battery and start the charge process. The green indicator above the connector shows which battery is being charged.

Refer to the MPL instruction for information on the charge process.

## SPECIFICATIONS

SIZE WITH FEET

**280 x 261 x 47mm**

SIZE WITH MPL50-LI

**280 x 261 x 112mm**

LINK LEAD

**0.15KG EACH (UP TO 5)**

SIZE WITH MPL50

**280 x 261 x 302mm**

UNIT WEIGHT + MPL50 +MPL50-LI

**3KG**

**23KG**

**6KG**

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CHARGE

DISTRIBUTION UNIT