



AC/DC D48 Charger

Congratulations with your new compact and durable Team Orion AC/DC D48 charger. The D48 charger uses adjustable current from 0.5 till 6.5 Amps to charge from 4 up to 8 cell battery packs. The D48 offers the special feature to charge from a 12-13.8 Volt battery / power supply or from 220-240 Volts direct. The adjustable current feature is used in combination with the Delta Peak cut-off system. The Team Orion Delta Peak system delivers maximum driving time and energy with efficient battery use.



Warning

Charging NiCad or NiMH batteries with high current produces a large amount of gas and thus strong gas pressure within the cells. With old or defective batteries, this can cause an explosion of the battery cells. Therefore always maintain a safe distance from the charging and never charge batteries in the vicinity of small children. Charging batteries with less than 6 cells or with higher supply voltage causes greater heating of the charger. Here you should reduce the charging current since it could cause overheating or damage to the final stage of the device. When charging from an automobile battery, avoid short circuiting the charging terminals with the automobile chassis. In the battery charger the positive terminal of the supply voltage is connected directly to the positive terminal of the charging terminal; on contact with the automobile chassis, this would cause a short circuit of the automobile battery. This charger is for use only from 4 up to 8 cell battery packs.

Do not open the charger! High voltage danger!



Specifications

Charge capacity: 4-8 Cell
Power Supply: 220-240V 50Hz AC or 12-13.8V DC
Charge current: 0.5-6.5 Ampere adjustable, pulsed with Delta Peak cut-off

3 steps how to use the Team Orion AC/DC48 charger

Step 1 - Make your choice of power supply:

- a) Charging with AC: Check if the Voltage of the main power outlet is 220-240V/50Hz. If the Voltage is correct, connect the power cable to the back of the charger and connect after to the mains power: if done correct the power LED will switch on.
- b) Charging with DC: Connect the connector into the back of the charger. Connect the crocodile clips to a fully charged 12V car battery or 12-13.8 V power supply, the red cable to the positive (+) and the black to the negative (-) connection. The power LED will light up if connected correctly.

**Never use the AC and DC features together,
this will damage your charger immediately!**

Step 2 - Connect the charger with the charge leads to the battery pack that needs to be charged, be sure to connect red (+) and black (-) correctly.

Step 3 - Set the charger to the desired current and push the start button once. The charger will start charging the battery.



Charging and Mode reference chart

MODE	EXECUTE	BIP	FUNCTION
Slow charge	Connect the battery to the charger	1	Slow charge
Fast charge	Push the Start-button once	1	Fast charge Slow charge
1 cycle	Push the Start-button twice	2	Discharge Slow charge for 2 minutes Fast charge Slow charge
Discharge	Push the Start-button three times	3	Discharge Slow charge
3 cycles	Push the Start-button four times	4	Discharge Slow charge Fast charge Repeated 3 times Slow charge
Stop	Push the Start-button once during a charging process	1	Slow charge

Warranty

The charger is warranted to work when delivered. Servicing resulting from malfunctions due to abuse or incorrect use are not warranted and will be charged for. Team Orion does not take any liability for damage or personal injuries due to the use of this product.