

Model NO.: VP24W

Smart Efficharger

Smart & Super-Fast Charger for 4~10 Cells Battery Packs

This Charger is designed to charge Nickel-Metal Hydride or Nickel Cadmium 4~10 Cells battery packs with Standard Tamiya Male Connector. This is a Super-Fast & Smart Charger, which can distinguish 4~10 cells pack by MPU inside automatically and cut-off the charging accordingly. It is easy to use. Manual-adjustment is not needed.

By using different adaptors, this charger can be used to charge battery packs with Futaba Female connector, JR Female connector, Tamiya Small Male connector, Micro Female connector etc.

SAVE THESE INSTRUCTIONS

Input Rated Voltage & Line Frequency:

100~240VAC 50Hz~60Hz

Rated Voltage: DC18.0V±5%

Rated Current: DC1350mA

Rated Cells Pack: 4~10 Cells

No Load Voltage: DC20V Max

Trickle Current: 60mA Max

Short Circuit & Reverse Polarity

Protection included

Features:

Recharges 4~10 pieces cells battery packs Ni-MH/Ni-Cd batteries with Standard Tamiya Male connector.

Microprocessor-control System (For protection and safety).

Batteries life is well protected by -dV detection and timer protection.

4LEDs display for Rapid charge/trickle charge

Red LEDs Flash- rapid charge

1 LED Steady: 30%

2 LEDs Steady: 50%

3 LEDs Steady: 70%

4 LEDs Steady: 90%

Green LED- Fully Charged & trickle charge

Flash Red and Green LED- Short or Reverse polarity or Wrong Battery

Safety features :

- dV cut-off function

OPERATION INSTRUCTIONS : -

- Connecting 1 pack of 4~10 cells pack with Tamiya Male connector to the Female connector of the charger.
- Make correct contact of the Female and

Male connectors.

- Plug charger into mains socket.
- The status 4 LEDs will flash first to check if the charger good to use, then the 4 LEDs will be flash red from left to right when the batteries are receiving charge. The LED steady Red light shows the charging status of the battery
- After charge is completed, the status LED will change green to indicate that the charge is completed and batteries are ready for use. Once the status LED is Green, the charge switches to trickle mode to keep the batteries at full.
- Unplug the charger and remove the batteries from the charger when not in use.

Mechanical Specification:

- Plastic Case: 60x42x20mm
- Output DC Cord: 24AGWx1500mmx2C

Environmental

Operating temperature: 0~35°C

Short Circuit Protection: 20mA

Weight: W.T. 453g for EU adaptor
W.T. 460g for UK adaptor

Package: white box

Dimension: 82mm(L)x60mm(W)x100mm(H)

Charging table

Battery Pack	Output Current	Input
4.8V~6.0V	3A	18V/1.35A
7.2V~9.6V	2A	
10.8V~12.0V	1.5A	

Charging time for 4.8V~6.0V NiMH Packs

Size	Vapex Battery Type	Charging Time
950mAh	In950AAA	30mins
1600mAh	VP1600AFP, VP1600AF	50mins
2000mAh	VP2000AFP, VP2000AAFP, VP2000SC	1.1hrs
2200mAh	VP2200SCS	1.3hrs
2500mAh	VP2500SC, in2500AA	1.5hrs
2600mAh	VP2600AA	1.6hrs
3300mAh	VP3300SC	2hrs
3700mAh	VP3700SC	2.2hrs
4300mAh	VP4300SC	2.4hrs
4600mAh	VP4600SC	2.5hrs
5000mAh	VP5000SC	2.8hrs
5300mAh	VP5300SC	3hrs

Charging time for 7.2V~9.6V NiMH Packs

Size	Vapex Battery Type	Charging Time
950mAh	In950AAA	35mins
1600mAh	VP1600AFP, VP1600AF	1hr
2000mAh	VP2000AFP, VP2000AAFP, VP2000SC	1.3hrs
2200mAh	VP2200SCS	1.6hrs
2500mAh	VP2500SC,	1.8hrs

	in2500AA	
2600mAh	VP2600AA	2hrs
3300mAh	VP3300SC	2.4hrs
3700mAh	VP3700SC	2.5hrs
4300mAh	VP4300SC	2.8hrs
4600mAh	VP4600SC	3hrs
5000mAh	VP5000SC	3.3hrs
5300mAh	VP5300SC	3.6hrs

*Charge time will vary depending upon the brand, capacity and condition of batteries being charged.

Charging time for 10.8V~12.0V NiMH Packs

Size	Vapex Battery Type	Charging Time
950mAh	In950AAA	40mins
1600mAh	VP1600AFP, VP1600AF	1.1hrs
2000mAh	VP2000AFP, VP2000AFP, VP2000SC	1.5hrs
2200mAh	VP2200SCS	1.8hrs
2500mAh	VP2500SC, in2500AA	2hrs
2600mAh	VP2600AA	2.2hrs
3300mAh	VP3300SC	2.8hrs
3700mAh	VP3700SC	3hrs
4300mAh	VP4300SC	3.2hrs
4600mAh	VP4600SC	3.5hrs
5000mAh	VP5000SC	3.8hrs
5300mAh	VP5300SC	4hrs

*Charge time will vary depending upon the brand, capacity and condition of batteries being charged.

Important Safety Instructions

1. Before charging, read instruction.
2. This charger is intended for use with Nickel-Cadmium and Nickel-metal-hydrate rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
3. Recharge only one type of battery (Ni-Cd or Ni-MH) at each time.
4. Do not expose charger to rain or moisture. For indoor use only.
5. Remove from mains when not in use.
6. **Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.**
7. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
8. Do not disassemble the charger. Incorrect reassembly may result in a risk of electric shock or fire.
9. Unplug the charger from outlet before attempting any maintenance or cleaning.