



PRODUCT DATA

Parameter	Value
Model	VP4 Plus Dragon
Manufacturer	XTAR
Input	DC 12V/3A (wall adapter)
USB Output	DC 5V/2.4A max
11.1V/3S Battery Pack Input	JST-XH connector (1A charging current)
Number of Channels	4
Charging Current (2 batteries)	CH1 & CH4) : 2A per channel
Charging Current (4 batteries)	1A per channel
Charging Current (CH2 & CH3 only)	0.5A per channel
Selectable Charging Currents	0.5A / 1.0A / 2.0A
End-of-Charge Voltage (Li-Ion)	4.20V $\pm$ 0.05V
End-of-Charge Voltage (Ni-MH/Ni-CD)	1.45V $\pm$ 0.1V
Min Slot Length	30.5mm
Max Slot Length	72.8mm
Operating Temperature : 0	40°C
Compatible Li-Ion Batteries : 3.6V/3.7V Li-Ion/IMR/INR/ICR	10440, 14500, 14650, 16340, 17335, 17500, 17670, 18350, 18490, 18500, 18650, 20700, 21700, 22650, 25500, 26650, 32650
Compatible Ni-MH/Ni-CD Batteries : 1.2V	AAAA, AAA, AA, A, SC, C, D
Compatible Battery Packs	11.1V/3S Li-Ion packs
Note	Cannot charge protected 20700/21700 batteries (too long)
Charging Method	3-Stage TC/CC/CV
0V Battery Recovery	Yes
Refresh Mode	Yes (charge $\rightarrow$ discharge $\rightarrow$ charge to eliminate memory effect)
Test/Grade Mode	Yes (full charge $\rightarrow$ discharge $\rightarrow$ charge; records real capacity in mAh)
Internal Resistance Testing	Yes (via included 4-terminal probe set, USB connected)
Voltage Testing	Yes (via probe set)
Record Function	Yes (stores and recalls test results; results auto-saved)
Power Bank Function	Yes (USB output from inserted batteries when no power connected)
Passthrough Charging	Yes (USB devices charged from mains, not batteries, when power connected)

Display	Large LCD (shows voltage, current, capacity %, battery type, channel, IR, charge/test/refresh status, 3S pack status, USB output status)
LED Indicators : 3 colours	Red (recognising/activating/charging), Blue (discharging/test/refresh/USB output), Green (full/empty)
Buttons : 3	Current/Refresh, Display, Record/Test
Audio Alerts	Yes (reverse polarity and charge complete; double-click to mute)
Housing Material	Flame-retardant plastic
Dimensions	158 x 147 x 40 mm
Weight	345g (without batteries and power cord)
Certifications	CE, FCC, RoHS
Warranty	2 years
Protections	Over-current, over-charge, over-voltage, short circuit, reverse polarity, temperature monitoring
In the Box	VP4 Plus Dragon charger, carry pouch, probe set, 12V/3A wall adapter, 3A car adapter, user manual, warranty card