



PRODUCT DATA

Parameter	Value
Model	VC4SL
Manufacturer	XTAR
Input	USB-C QC3.0 (5V/3A, 9V/2A) or standard 5V/2.1A
Number of Channels	4
Charging Current (1 battery)	3A max
Charging Current (2 batteries)	2A per channel
Charging Current (4 batteries)	1A or 0.5A per channel
Selectable Charging Currents	0.25A / 0.5A / 1A / 2A / 3A (manual selection via Curr. button)
End-of-Charge Voltage (Li-Ion)	4.20V $\pm$ 0.05V
End-of-Charge Voltage (Ni-MH)	1.45V $\pm$ 0.1V
End-of-Charge Current	$\leq$ 120mA
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, 18700, 20700, 21700, 22650, 25500, 26650, 32650 (including protected 21700)
Compatible Ni-MH/Ni-CD Batteries : 1.2V	AAAA, AAA, AA, A, SC, C, D
Max Slot Length	~79.5mm (fits protected 21700)
Charging Method	3-Stage TC/CC/CV
0V Battery Recovery	Yes
Display : Colorful VA LCD (170° view angle)	shows voltage, current, capacity, cell type per slot)
Display Backlight	Yes (can be turned off)
Buttons	Curr. (current selection) and Mode (mode selection)
Internal Resistance Testing	Yes (auto-tested on battery insertion)
Grading Mode	Yes (charge $\rightarrow$ discharge $\rightarrow$ charge cycle; shows real discharge capacity in mAh)
Storage Mode : Yes (charges or discharges battery to storage voltage)	3.7V Li-Ion / 1.2V Ni-MH)
Power Bank Function	Yes (Li-Ion only)
Indicator LEDs	Yes (red = charging; green = full / empty / grading done / at storage voltage)
Upgraded From	VC4S
Housing Material	Fire-resistant ABS
Dimensions	156 x 115 x 35 mm

Weight	Not specified
Protections	Over-current, over-charge, over-voltage, short circuit, reverse polarity, overheating
In the Box	VC45L charger, USB-A to USB-C cable, carrying bag, warranty card, user manual

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