



## PRODUCT DATA

| Parameter                                                                                           | Value                                                                                                          |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Model                                                                                               | VC8                                                                                                            |
| Manufacturer                                                                                        | XTAR                                                                                                           |
| Input                                                                                               | USB-C QC3.0 (5V/3A, 9V/2A)                                                                                     |
| Number of Channels                                                                                  | 8                                                                                                              |
| Charging Current (1 battery                                                                         | CH1 or CH8 only) : 3A max                                                                                      |
| Charging Current (2 batteries)                                                                      | 2A per channel                                                                                                 |
| Charging Current (4 batteries)                                                                      | 1A per channel                                                                                                 |
| Charging Current (8 batteries)                                                                      | 0.5A per channel                                                                                               |
| Selectable Charging Currents                                                                        | 0.25A / 0.5A / 1A / 2A / 3A (manual via Curr. button)                                                          |
| Note                                                                                                | 3A only available on CH1 and CH8 (outer slots); requires 9V/2A adapter                                         |
| End-of-Charge Voltage (Li-Ion)                                                                      | 4.20V $\pm$ 0.05V                                                                                              |
| End-of-Charge Current                                                                               | $\leq$ 120mA                                                                                                   |
| Ni-MH Cut-off Method                                                                                | 0 $\Delta$ V and $-\Delta$ V                                                                                   |
| Operating Temperature : 0                                                                           | 40°C                                                                                                           |
| Compatible Li-Ion Batteries : 3.6V/3.7V<br>Li-Ion/IMR/INR/ICR                                       | 10440, 14500, 14650, 16340, 17500, 17670, 18350, 18490, 18500, 18650, 18700, 20700, 21700, 22650, 25500, 26650 |
| Compatible Ni-MH/Ni-CD Batteries : 1.2V                                                             | AAAA, AAA, AA, A, SC, C                                                                                        |
| Note                                                                                                | Can charge protected 20700/21700 batteries; all 8 slots support 21700 simultaneously                           |
| Charging Method                                                                                     | 3-Stage TC/CC/CV with Soft Start                                                                               |
| 0V Battery Recovery                                                                                 | Yes                                                                                                            |
| Display : VA LCD (2 displays covering 4 slots each                                                  | shows voltage, current, mode, battery type, internal resistance, charged capacity per slot)                    |
| Display Backlight                                                                                   | Yes (dims after 60 seconds)                                                                                    |
| Buttons                                                                                             | Mode/Disp. (cycles info / activates Grade & Store modes) and Curr. (selects charge current)                    |
| Internal Resistance Testing                                                                         | Yes                                                                                                            |
| Grading Mode : Yes (charge $\rightarrow$ discharge $\rightarrow$ charge; shows real capacity in mAh | CH1 CH4 only)                                                                                                  |
| Storage Mode : Yes (charges or discharges to 3.7V Li-Ion / 1.2V Ni-MH                               | CH1 CH4 only)                                                                                                  |
| Power Bank Function                                                                                 | No                                                                                                             |
| Housing Material                                                                                    | Fire-resistant PC                                                                                              |

|             |                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------|
| Dimensions  | 194 x 137 x 34 mm                                                                                 |
| Weight      | 350g                                                                                              |
| Protections | Over-current, over-charge, over-voltage, short circuit, reverse polarity, overheating, soft-start |
| In the Box  | VC8 charger, USB-A to USB-C cable, user manual                                                    |

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