QA900A Series — 900 W 48 V Smart Golf Cart Battery Charger

Aluminium-cased charger in six models from 12 V to 72 V packs, with per-chemistry charge voltages, 3-stage CC / CV / float charging and sealed cable-gland leads.

KEY FEATURES

- **Six models** — VT-QA900A-12 to -72, for 12 V to 72 V battery packs
- **Per-chemistry setpoints** — lead-acid, Li-ion and $LiFePO_4$ on every model
- **Constant current 10 A to 30 A**, matched to pack capacity
- **3-stage charging**: constant current, constant voltage, then float / trickle
- **≥90 % efficiency** at full-capacity load
- Protection: over-voltage, over-current, over-temperature, short circuit, reverse polarity
- LED status: red < 80 % · yellow > 80 % · green = fully charged
- Aluminium alloy case, **3.5 kg**

CHARGE VOLTAGE AND CURRENT BY MODEL

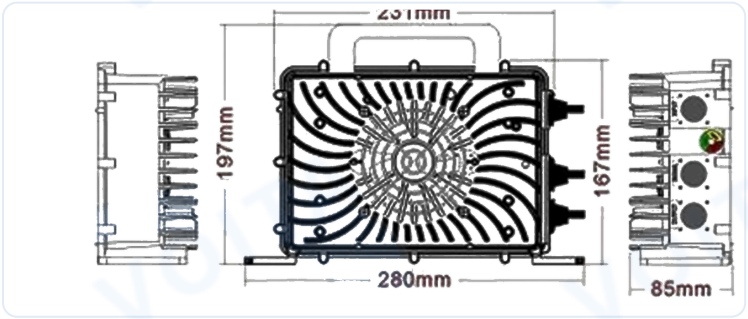
Model	CV, lead-acid	CV, Li-ion	CV, $LiFePO_4$	Constant current (A)	Cut-off, lead-acid (A)	Cut-off, Li (A)
VT-QA900A-12	14.7 V	16.8 V	14.6 V	30	6.0	1.50
VT-QA900A-24	29.4 V	29.4 V	29.2 V	25	5.0	1.25
VT-QA900A-36	44.1 V	42.0 V	43.8 V	18	3.6	0.90
VT-QA900A-48	58.8 V	54.6 V	58.4 V	15	3.0	0.75
VT-QA900A-60	73.5 V	67.2 V	73.0 V	12	2.4	0.60
VT-QA900A-72	88.2 V	84.0 V	87.6 V	10	2.0	0.50

CV = constant-voltage (voltage-limiting) setpoint. All six models share a 3.5 kg case and the same charging algorithm; only voltage setpoints and current ratings change.

GENERAL SPECIFICATION

Model series	QA900A — six models, VT-QA900A-12 to VT-QA900A-72
Battery voltage variants	12 V / 24 V / 36 V / 48 V / 60 V / 72 V
Rated output power	900 W platform rating
Charging mode	3-stage: constant current, constant voltage, then float / trickle
Efficiency	≥ 90 % at full-capacity load
Status indication	LED: red < 80 % · yellow > 80 % · green = fully charged
Protection	Over-voltage, over-current, over-temperature, short circuit, reverse polarity
Case	Aluminium alloy, finned, carry handle
Cable entry	Sealed glands — input and output leads
Net weight	3.5 kg
Warranty	2 years standard, extendable by agreement

DIMENSIONS



Body (L×W×H)	231 × 167 × 85 mm
Over mounting ears	197 mm
Over cable glands	280 mm
Net weight	3.5 kg

Dimensions in millimetres, taken from the drawing: 231 mm and 167 mm are the body faces, 85 mm the case thickness in the end view, 197 mm and 280 mm the outer limits over the ears and glands. Drawings are not to scale.

TYPICAL APPLICATIONS

Golf carts · sightseeing cars · electric tricycles · low-speed electric vehicles

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