ENGLISH

WWW. EV-PEAK. COM

EV-PEAK ELECTRONIC TECHNOLOGY Copyright 2015 © EV-PEAK

CQ3

400W/100X4

INSTRUCTION MANUAL

1.Performance Parameter

Input voltage	[DC]	11.0~18.0V
	[AC]	100V or 220V
Charge current	[A]	0.1~5.0A
Discharge current	[A]	0.1~0.5A
Charge power	[W]	100W
Discharge power	[W]	100W × 4
Balance current	[mA]	300mA
Balance tolerance	[mV]	±10mV
Charging Cutoff	[V]	1.1Volts
	[V]	1.2Volts
Pb battery voltage	[V]	12Volts
Weight	[G]	1.2kg
Dimensions	[mm]	230×240×86mm

2.Key Features

*MODESEC mode selection/adjustment button, Press this key to the maximum and to stop during the process.

RECDYNC reduce and increase battery, you can reduce and increase parameters value, and to keep select connecting the battery by using the battery charge or discharge process.

*ENTER/START selection/enter button to start working by press it more than 2 seconds.

3.Warning and safety Notes

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

WARNING: Failure to exercise caution while using this product and comply with the following warnings could result in product malfunction, electrical issues, excessive heat, Fire and alternatively injury and property damage

CAUTION : Not for children under 14 years. This is not a toy.

Charging Warnings

- Never leave the power supply, charger and battery unattended during use.
- Never charge damaged batteries.
- Never attempt to charge dead, damaged or wet battery packs.
- Never attempt to charge a battery pack containing different types of batteries.
- Never charge batteries in extremely hot or cold places or place in direct sunlight.
- Never charge a battery if the cable has been pinched or stretched.
- Never connect the charger if the power cable has been pinched or shorted.
- Never connect the charger to an automobile 12V battery while the vehicle is running.
- Never connect the charger to a car battery without a fuse protection.
- Never adapt your charger to both an AC and a DC power source at the same time.
- Never connect the input port (DC input) to AC power.
- Always use only rechargeable batteries intended for use with this type of charger.
- Always inspect the battery before charging.
- Always keep the battery away from any material that could be affected by heat.
- Always monitor the charging area and have a fire extinguisher available at all times.
- Always remove the battery from the charger when it becomes hot to the touch or starts to change form (swell) during the charge process.
- Always connect the charge cable to the charger flat, then connect the battery to avoid short circuit between the charge leads. Reverse the sequence when disconnecting.
- Always connect the positive red leads (+) and negative black leads (-) correctly.
- Always disconnect the battery after charging, and let the charger cool between charges.
- Always charge in a well-ventilated area.
- Always remove all processes and consult EV-PEAK if the product malfunctions.

WARNING: Never leave charger unattended, exceed maximum charge rate, charge damaged batteries, charge non-rechargeable batteries, charge batteries in a damp place, or charge in any way result in excessive heat, fire and serious injury.

CAUTION: Always ensure the battery you are charging meets the specifications of this charger and the charger settings are correct. Not doing so can result in excessive heat and other related product malfunctions, which can lead to serious injury or property damage. Please contact EV-PEAK or an authorized retailer with compatibility questions.

4.Exterior

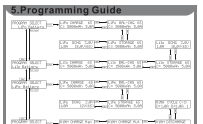
Connection diagram in the balance charging /storage/discharge mode

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating.

WARNING: Never leave charger unattended, exceed maximum charge rate, charge damaged batteries, charge batteries in a damp place, or charge in any way result in excessive heat, fire and serious injury.

CAUTION: Always ensure the battery you are charging meets the specifications of this charger and the charger settings are correct. Not doing so can result in excessive heat and other related product malfunctions, which can lead to serious injury or property damage. Please contact EV-PEAK or an authorized retailer with compatibility questions.

5.Programming Guide


PROGRAM SELECT
Li-Ion CHARGE
Li-Ion CHARGE Mon
Li-Ion CHARGE Cut OFF
Li-Ion CHARGE Cut OFF Mon
Li-Ion CHARGE Cut OFF 300mA
Li-Ion CHARGE Cut OFF 300mA Mon
Li-Ion CHARGE Cut OFF 1A
Li-Ion CHARGE Cut OFF 1A Mon
Li-Ion CHARGE Cut OFF 2A
Li-Ion CHARGE Cut OFF 2A Mon
Li-Ion CHARGE Cut OFF 3A
Li-Ion CHARGE Cut OFF 3A Mon
Li-Ion CHARGE Cut OFF 4A
Li-Ion CHARGE Cut OFF 4A Mon
LiPo CHARGE
LiPo CHARGE Mon
LiPo CHARGE Cut OFF
LiPo CHARGE Cut OFF Mon
LiPo CHARGE Cut OFF 300mA
LiPo CHARGE Cut OFF 300mA Mon
LiPo CHARGE Cut OFF 1A
LiPo CHARGE Cut OFF 1A Mon
LiPo CHARGE Cut OFF 2A
LiPo CHARGE Cut OFF 2A Mon
LiPo CHARGE Cut OFF 3A
LiPo CHARGE Cut OFF 3A Mon
LiPo CHARGE Cut OFF 4A
LiPo CHARGE Cut OFF 4A Mon
NiMH CHARGE
NiMH CHARGE Mon
NiMH CHARGE Cut OFF
NiMH CHARGE Cut OFF Mon
NiMH CHARGE Cut OFF 300mA
NiMH CHARGE Cut OFF 300mA Mon
NiMH CHARGE Cut OFF 1A
NiMH CHARGE Cut OFF 1A Mon
NiMH CHARGE Cut OFF 2A
NiMH CHARGE Cut OFF 2A Mon
NiMH CHARGE Cut OFF 3A
NiMH CHARGE Cut OFF 3A Mon
NiMH CHARGE Cut OFF 4A
NiMH CHARGE Cut OFF 4A Mon
NiCd CHARGE
NiCd CHARGE Mon
NiCd CHARGE Cut OFF
NiCd CHARGE Cut OFF Mon
NiCd CHARGE Cut OFF 300mA
NiCd CHARGE Cut OFF 300mA Mon
NiCd CHARGE Cut OFF 1A
NiCd CHARGE Cut OFF 1A Mon
NiCd CHARGE Cut OFF 2A
NiCd CHARGE Cut OFF 2A Mon
NiCd CHARGE Cut OFF 3A
NiCd CHARGE Cut OFF 3A Mon
NiCd CHARGE Cut OFF 4A
NiCd CHARGE Cut OFF 4A Mon
PbCHARGE
PbCHARGE Mon
PbCHARGE Cut OFF
PbCHARGE Cut OFF Mon
PbCHARGE Cut OFF 300mA
PbCHARGE Cut OFF 300mA Mon
PbCHARGE Cut OFF 1A
PbCHARGE Cut OFF 1A Mon
PbCHARGE Cut OFF 2A
PbCHARGE Cut OFF 2A Mon
PbCHARGE Cut OFF 3A
PbCHARGE Cut OFF 3A Mon
PbCHARGE Cut OFF 4A
PbCHARGE Cut OFF 4A Mon
SERIAL BATT
SERIAL BATT Mon
SERIAL BATT Cut OFF
SERIAL BATT Cut OFF Mon
SERIAL BATT Cut OFF 300mA
SERIAL BATT Cut OFF 300mA Mon
SERIAL BATT Cut OFF 1A
SERIAL BATT Cut OFF 1A Mon
SERIAL BATT Cut OFF 2A
SERIAL BATT Cut OFF 2A Mon
SERIAL BATT Cut OFF 3A
SERIAL BATT Cut OFF 3A Mon
SERIAL BATT Cut OFF 4A
SERIAL BATT Cut OFF 4A Mon
SERIAL BATT Cut OFF 1A Mon
SERIAL BATT Cut OFF 2A Mon
SERIAL BATT Cut OFF 3A Mon