

## enecharger + Qualcomm Quick Charge 3.0

Woke up to find you've forgotten to charge your phone? In about the time it takes you to get to school or work, this dual USB port fast in-car charger for phones and tablets with Quick Charge 3.0 could easily charge your device with enough power to get through the day.

Features 1 x QC3.0 fast charge port plus 1 x 1.0A standard output port.

Compatible and safe to use with non-Quick Charge enabled devices as well.



Model: **QC3-DC2**  
Order Code: 20005-903BP3

RRP: \$29.95

New **Quick Charge™ 3.0** technology allows users to charge their compatible phones and tablets from flat up to 80% capacity in as little as 35 minutes!

For portable fast charging power in your bag whenever you need it, this 10000mAh powerbank with dual USB output for charging up to two devices at the same time is the new essential everyday carry for our tech driven lifestyle.

Features 1 x QC3.0 fast charge port plus 1 x 2.0A high current output port.

Compatible and safe to use with non-Quick Charge enabled devices as well.



Model: **UEB-11**  
Order Code: 77002-990

\*Dependent on battery and usage.  
RRP: \$79.95

## FUJITSU NiMH BATTERIES UPGRADE

Recharge **2,100** times

up from 1,800 recharge cycles



AA card of 2  
Model: **HR-3UTC(2B)**  
Order Code: 33000-393C2



AA card of 4  
Model: **HR-3UTC(4B)**  
Order Code: 33000-393C4



AAA card of 2  
Model: **HR-4UTC(2B)**  
Order Code: 33000-394C2



AAA card of 4  
Model: **HR-4UTC(4B)**  
Order Code: 33000-394C4



2xAA\* to C size adaptors  
Model: **FBS3-2(2B)-EX**  
Order Code: 33000-400CB2



2xAA\* to D size adaptors  
Model: **FBS3-1(2B)-EX**  
Order Code: 33000-400DB2

\*AA batteries not included. Pack contains adaptors only.

Battery for **Galaxy S6**  
3.85V 2.55Ah LiPo replacement battery compatible with Samsung

Battery for **Galaxy S6 Edge**  
3.8V 2.6Ah LiPo replacement battery compatible with Samsung

Battery for **Galaxy S6 Edge+**  
3.85V 3.0Ah LiPo replacement battery compatible with Samsung

Battery for **Galaxy Note 5**  
3.8V 3.0Ah LiPo replacement battery compatible with Samsung



Model: **CPB-EB-BG920ABE-BP1**  
Order Code: 79000-1031

Model: **CPB-EB-BG925ABE-BP1**  
Order Code: 79000-1032

Model: **CPB-EB-BG928ABE-BP1**  
Order Code: 79000-1033

Model: **CPB-EB-BN920ABE-BP1**  
Order Code: 79000-1034

## TYVA MODULOO - Quick & Easy Assembly Kits for Custom Build Lilon / LiFePO<sub>4</sub> Packs



Customised building blocks for rechargeable Lithium batteries – smart battery innovation at its best! Design your own Lilon / LiFePO<sub>4</sub> packs your way to suit your specifications.

TYVA MODULOO breaks new ground in the way Lilon batteries are assembled with its ready-to-use 3D modules providing users of varying levels of expertise the following benefits:

- Quick and economical construction of batteries in the three dimensions by connecting the modules in series or in parallel.
- Easier integration into new or existing products. It is possible to build battery systems from 40Wh up to several MWh.
- Multi-chemistry internal modular platform for 18650 cells: LFP, NMC, LMO and NCA.
- Energy range with an outstanding energy mass density (up to 180 Wh).
- Power range with permanently high discharge rates (up to 15C).
- Innovative wireless system for the mechanical and electrical assembly of the modules.
- No tooling, development or industrialisation costs.
- No testing, qualification or certification costs.
- Integrated thermal dissipation system functioning with natural convection. For uses with high charge and discharge rates, it is possible to add an optional fan to improve thermal exchanges.

Master Instruments can supply you with the empty module shell kits in **1S8P**, **4S2P** or **8S1P** configurations with a range of extra spare parts and tools so you can start on your next big project. We can also provide a comprehensive [range of Lilon / LiFePO<sub>4</sub> 18650 cells](#) suitable for use in TYVA MODULOO packs.

If you'd prefer to take advantage of our expertise, please contact us with your specifications and we can deliver your pack assembled and ready to use. For more information, go to our website: [www.master-instruments.com.au/category/Tyva\\_Energie/1983](http://www.master-instruments.com.au/category/Tyva_Energie/1983)



### Battery Fighter

### BATTERY FREE Super Capacitor Jump Starter

The Super J500 (SC500F) 12V BATTERY FREE super capacitor jump starter with 500A cranking power suits 5.0L petrol and 3.0L diesel engines.

Using energy efficient EDLC super capacitor technology, the Super J500 can be charged and ready to jump start a 12V vehicle in under 180 seconds - even using the vehicle's own FLAT battery!

The Super J500 weighs just over 1kg, is maintenance free and always ready to use WHEN YOU NEED IT.



Model: **SC500F**  
Order Code: 77002-978

### 4 Cell LiFePO<sub>4</sub> Charger

100-240VAC Lithium Iron Phosphate battery charger for 4 cell 14.6V packs

Specifications:  
Input Voltage: 100-240VAC 50/60Hz  
Output Voltage: 15VDC  
Output Current: 9.9A  
Output via 15-45 Powerpole Plug  
1.0m 16AWG lead  
LED Indication



Model: **FY1509900**  
Order Code: 20005-975A

### 8 Cell LiFePO<sub>4</sub> Charger

100-240VAC Lithium Iron Phosphate battery charger for 8 cell 29.2V packs

Specifications:  
Input Voltage: 100-240VAC 50/60Hz  
Output Voltage: 29.2VDC  
Output Current: 7A  
Output via Male Neutrik NC3MX XLR  
1.0m 18AWG lead  
LED Indication



Model: **FY2907000**  
Order Code: 20005-979B

### Lutron - Anemometer

Hot wire with Type K/J Temp.

Combination of hot wire and standard thermistor, delivers rapid and precise measurements even at low air velocity value.

RS232/USB PC Computer interface.

Slim probe, ideal for grilles & diffusers.



Model: **AM4214SD**  
Order Code: 10000-561V

### Lutron - Clamp Meter

DCA/ACA, Smart, 2000A

DCA/ACA Clamp Meter - Smart, 2000A, Max. Hold, CAT III 1000V, CAT IV 600V.

6000 counts A/D, high resolution. Smart operation, Four built in functions: "V", "Ω", "600A", "2000A".

Overload protection for most ranges.

LSI circuit provides high reliability and durability.



Model: **CM6158**  
Order Code: 10001-368

### Lutron - Power Analyser

3 Phase with RS232 interface

3 phase power analyser with RS232 interface to data logging. Data storage via included SD card.

Complete set with:  
4 x Test Leads  
4 x Alligator clips  
3 x Clamp Probes  
AC-DC 9V adaptor  
2GB SD card  
Carry bag.



Model: **DW6093**  
Order Code: 10001-525

### Lutron - Vibration Meter

Acceleration, velocity, displacement

Professional vibration meter set includes vibration sensor & magnetic base.

Acceleration, velocity and displacement measurement with frequency range from 10 Hz - 1 kHz, data hold button to freeze reading, and memory function to record max/min readings with recall.



Model: **VB8206SD**  
Order Code: 10001-822