

Power. Anytime. Anywhere.

Lithium. The new era of mobile energy!



CLAYTON™
POWER

Power. Anytime. Anywhere.

Lithium. The new era of mobile energy!



+ Powerful lithium battery technology

Lithium has 50-80 % more available energy than traditional batteries



+ Compact design and reduced weight

Lithium weighs only 1/3 compared to traditional batteries with the same amount of available energy



+ Longer lifespan

Lithium batteries have a durability of up to 3000 cycles, 6 times more than lead batteries, without maintenance



+ Fast charging

Charge a 12V-100Ah Lithium battery in only 50 minutes

+ Get 230V/50Hz and 12V or 24V simultaneously

+ Charge while driving from the vehicle's surplus energy

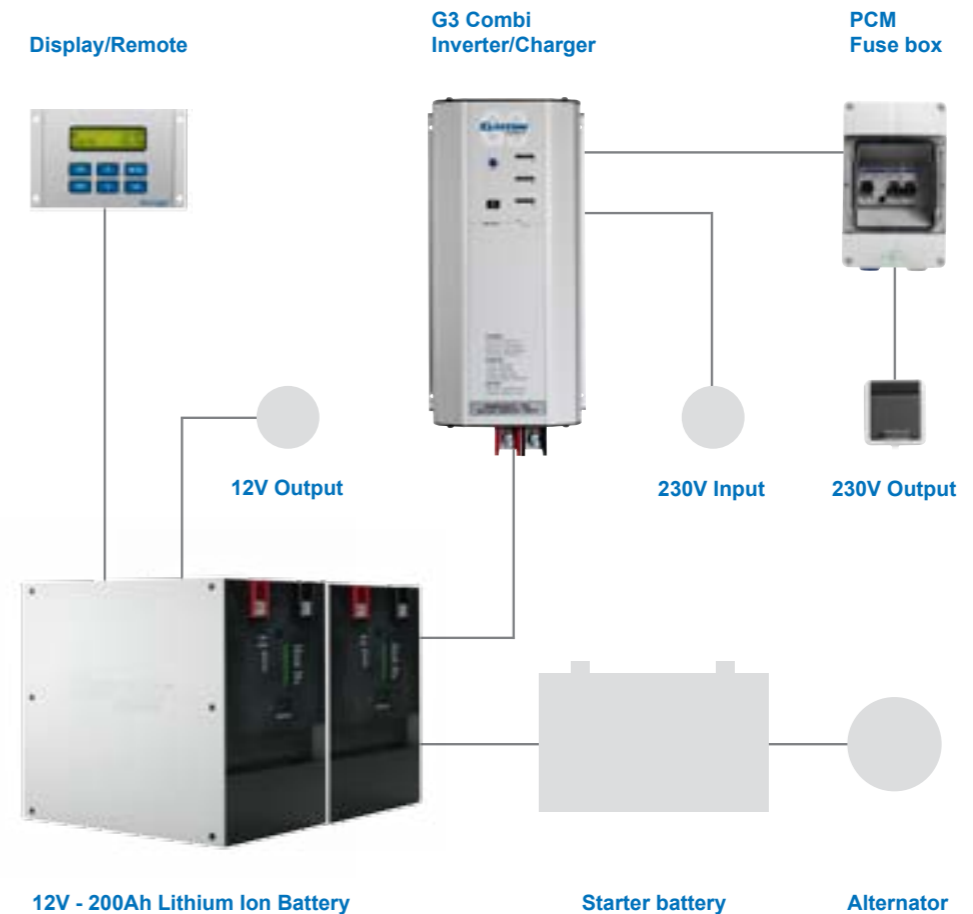
+ Charge from the mains – fast and efficiently

+ Get full control and overview of energy consumption, remaining operation and charging time

230V

12V

24V



12V - 100Ah Lithium System

Operation times:
 200W @ 230V 4h:30min
 500W @ 230V 1h:45min
 2000W @ 230V 25min

Charging times: 50min

12V - 400Ah Lithium System

Operation times:
 200W @ 230V 18h
 500W @ 230V 7h
 2000W @ 230V 1h:40min

Charging times: 3h:15min

12V - 800Ah Lithium System

Operation times:
 200W @ 230V: 36h
 500W @ 230V: 14h
 2000W @ 230V: 3h:20min

Charging times: 6h:30min

24V - 100Ah Lithium System

Operation times:
 200W @ 230V: 9h
 500W @ 230V: 3h:30min
 2000W @ 230V: 45min

Charging times: 1h:40min

24V - 200Ah Lithium System

Operation times:
 200W @ 230V: 18h
 500W @ 230V: 7h
 2000W @ 230V: 1h:40min

Charging times: 3h:15min

24V - 400Ah Lithium System

Operation times:
 200W @ 230V: 36h
 500W @ 230V: 14h
 2000W @ 230V: 3h:20min

Charging times: 6h:30min



More energy with lithium

Lithium batteries are very powerful and provide a better energy utilisation at high consumption than traditional lead batteries. Up to 80 % of their power capacity may be utilised compared to the 30-50 % of the capacity of lead batteries, and they may be charged and discharged in short stages – quickly and without reducing their long lifespan of up to 3000 cycles.

A lithium battery is made up by several individual lithium cells. A unique integrated Battery Management System in our products automatically stabilises and balances cell tension in relation to temperature. The Battery Management System ensures that each battery functions optimally for years and is safe to use as these batteries are the only ones that can tolerate shorts without posing a danger to the surroundings.

Combined Inverter/Charger

With a 230V inverter and charger combined in one product, the G3 Combi Inverter/Charger, you get even greater flexibility. A combined inverter/charger switches between functions in less than 10 milliseconds and provides AC power of the same quality as the mains: 230V/50Hz pure sine wave energy from 12V or 24V batteries. The inverter is remarkable for its robustness and for providing a full output in all environments on a full temperature scale from minus 20 to plus 50 degrees Celsius.



12V | G3 Inverter/Charger (Combi)
Model: G3 2012-100
230V output, 15 min.: 2300W
230V output, continuously: 2000W
Charger: 100A

24V | G3 Inverter/Charger (Combi)
Model: G3 2324-50
230V output, 15 min.: 2500W
230V output, continuously: 2300W
Charger: 50A



G3 Display

With the simple connection of our G3 Display the lithium battery system is easily monitored and controlled. The display provides an overview of the charging status and remaining charging and operation time, as well as a remote control function.