

Inverter Charger Combination

Energier Mobile

-12vdc/24vdc

2KW - 3KW

230VAC / 110VAC



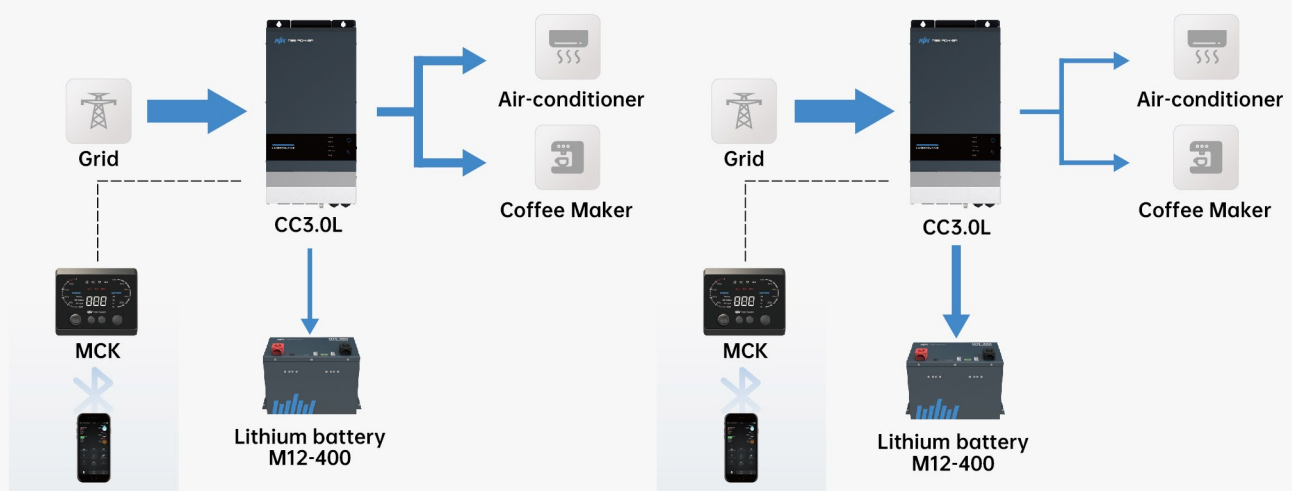
Designed for mission critical application, Energier Mobile delivers high reliability, performance and industry leading efficiency. Its distinguishing surge capability makes it capable to power most demanding appliances, such as air conditioner, compressor, vacuum cleaner and various power tools.

Equipped with a powerful charger 100A or 150A, Energier Mobile will charge battery fully as quick as possible. Upon limited shore power connected, Energier Mobile will assure the load first and automatically adjust the charging power to avoid tripping of shore power.

Supported by TBB's lithium battery M12-100 or M12-400, it can be composed an energy solution for various applications.

With an elegant design monitor MCK and TBB's communication compatible lithium battery, the user is allowed to control the unit and monitor load or battery information remotely. With built-in bluetooth connectivity, the user is also allowed to do configuration by mobile APP.

- Pure sine wave output with high efficiency up to 93%.
- Outstanding overload capability for all kinds of inductive load.
- Extremely low status consumption power.
- Innovative power control function.
- Powerful charger for a quick charge.
- TBB premium II battery charging algorithm suitable for various battery chemicals including LPE.
- Automatic ON when shore power is connected.
- Built in IGN input for smart control.
- Silent design with thermal control fan make it suitable for free camper.
- Fully programmable.
- Mobile APP is available.



Power Control

If the shore power is limited, Energier Mobile will automatically adjust its charging current to prevent the circuit breaker from tripping.

Model No.	CC2.0L / CC2.0M	CC3.0L / CC3.0M
AC input voltage range (VAC)	175~265	
AC input Frequency range (Hz)	45~65	
AC input Current (transfer switch) (A)	32	

Inverter

Nominal battery voltage (V)	12 / 24	12 / 24
Input voltage range (V)	10.5~17 / 21.0~34	10.5~17 / 21.0~34
AC output voltage (VAC)	220/230/240 ± 2%	
AC output Frequency (Hz)	50/60 ± 0.1%	
Harmonic distortion	<2%	
Load Power factor	1.0	
Cont. output power at 25°C (VA)	2000 / 2000	3000 / 3000
Cont. output power at 25°C (W)	2000 / 1600	3000 / 2500
Output power (30min) at 25°C (W)	2200 / 2000	3200 / 3000
Peak power (W)	4000 / 4000	6000 / 6000
Cont. output power at 40°C (W)	1800 / 1500	2700 / 2200
Maximum efficiency	93%	
Zero load power (W)	12	16

Charger

Charge voltage 'absorption' (V)	14.4 / 28.8	14.4 / 28.8
Charge voltage 'float' (V)	13.8 / 27.6	13.8 / 27.6
Battery types	AGM / GEL / Flooded / OpzV / LFP / TBB Super L	
Max AC charge current (A)	100 / 50	150 / 80
Temperature compensation	Yes	

General data

Output (AC Out) Current (A)	32
Transfer time	4ms (<15ms in Weak AC source Mode)
Remote on-off	Yes
Programmable relay	2x
Protection	a) output short circuit b) overload c) battery voltage too high d) battery voltage too low e) temperature too high f) input voltage out of range g) input voltage ripple too high h) Fan block
General purpose com. Port	RS485
Operating temperature range	-20°C to 65°C
Relative humidity in operation	95% without condensation
Altitude (m)	2000

Mechanical Data

Dimension (mm) (max)	513*245*135 / 513*272*144	513*245*135 / 513*272*144
Net Weight (kg)	17 / 16	21 / 19
Cooling	Forced fan	
Protection index	IP20	

Standards

Safety	EN-IEC 62477-1
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3 EN61000-3-11,EN61000-3-12

* 110VAC model with UL listed is available, please consult with TBB Power.