

Combi S One unit function all !



Combi S is a inverter/chargers combination providing true sinewave power output and intelligent battery charging. They are a ideal unit that satisfy all your power conversion requirement, of which incorporate a inverter, battery charger and a AC transfer switch into one unit.

Combi S produce virtually distortion free sinewave AC power for onboard household appliance and sensitive electronics. Power factor corrected battery charging gets the most out of your shore cord. Ultrafast AC transfer switch with neutral/ground switching seamless transfer without affecting load operation.

- Compact and robust construction
- Pure sine wave output
- Intelligent multistage automatic battery charger – with power factor correction
- 30A automatic transfer switch – neutral/ground switching
- Multiple battery type selectable
- Comprehensive status and alarm LED display
- Remote controller included

Available models:

12V: 600W25A, 1000W35A, 1500W45A, 2000W65A, 3000W75A

24V: 600W15A, 1000W20A, 1500W30A, 2000W35A, 3000W45A, 4000W65A, 5000W70A

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| Model | CS250612 | CS351012 | CS451512 | CS652012 | CS753012 | CS150624 | Cs201024 | CS301524 | CS352024 | CS453024 | CS654024 | CS705024 | |
|---|--|----------|----------|----------|----------|----------|----------|----------|---------------|----------|----------|----------|--|
| DC Input | | | | | | | | | | | | | |
| Nominal DC input voltage | 12V | | | | | | | | 24V | | | | |
| Min start voltage | 10.4V | | | | | | | | 20.8V | | | | |
| Low battery alarm | 10.5V | | | | | | | | 21V | | | | |
| Low voltage disconnect | 10.2V | | | | | | | | 20.4V | | | | |
| AC Input | | | | | | | | | | | | | |
| Nominal Input AC voltage | 230VAC | | | | | | | | | | | | |
| Low voltage disconnect | 184VAC +/- 4% | | | | | | | | | | | | |
| Minimum engage | 194V +/-4% | | | | | | | | | | | | |
| High voltage disconnect | 253V +/-4% | | | | | | | | | | | | |
| High voltage reengage | 243V +/-4% | | | | | | | | | | | | |
| Nominal input frequency | 50Hz/60Hz – auto detec | | | | | | | | | | | | |
| Low frequency trip | 47Hz/58Hz | | | | | | | | | | | | |
| High frequency trip | 55Hz/65Hz | | | | | | | | | | | | |
| Short circuit protection | Circuit breaker | | | | | | | | | | | | |
| Overload protection | Circuit breaker | | | | | | | | | | | | |
| Transfer | | | | | | | | | | | | | |
| Transfer switch rating | 30A | | | | | | | | | | | | |
| Transfer time | 20ms | | | | | | | | | | | | |
| Inverter Output | | | | | | | | | | | | | |
| Output wave form | Pure Sine Wave | | | | | | | | | | | | |
| Total Harmonic Distortion | 3% | | | | | | | | | | | | |
| continuous power (W) | 600 | 1000 | 1500 | 2000 | 3000 | 600 | 1000 | 1500 | 2000 | 3000 | 4000 | 5000 | |
| Power factor | 0.9–1.0 | | | | | | | | | | | | |
| Overload capability | | | | | | | | | | | | | |
| – Surge | 200% | | | | | | | | | | | | |
| – 5 second | 150% | | | | | | | | | | | | |
| – 30 mins | 120% | | | | | | | | | | | | |
| Output frequency | 50Hz+/-0.3 or 60Hz+/-0.3 | | | | | | | | | | | | |
| Nominal efficiency | >88% | | | | | | | | | | | | |
| Status power consumption – normal | 40W | | | | | | | | | | | | |
| Status power consumption – power saver mode | <25W | | | | | | | | | | | | |
| Charger output | | | | | | | | | | | | | |
| Input voltage range | 196V–245V | | | | | | | | | | | | |
| Battery types | multi to be selectable | | | | | | | | | | | | |
| Nominal output voltage | 12V | | | | | | | | 24V | | | | |
| Output current (A) | 25 | 35 | 45 | 65 | 75 | 15 | 20 | 30 | 35 | 45 | 65 | 70 | |
| De-sulphation | 15.5V for 4hrs | | | | | | | | 31V for hours | | | | |
| Mechanical data | | | | | | | | | | | | | |
| Size | 600W-1000W:357*222*180mm 1500W-3000W:442x222x180mm; 4000W-6000W: 598x222x180mm | | | | | | | | | | | | |
| Weight (kgs) | 16 | 18 | 20 | 20 | 22 | 16 | 18 | 20 | 20 | 22 | 35 | 38 | |