

Sierra 10 - 48/230



Sierra is the world's first multidirectional power converter. This solution offers many new features within a unique module!

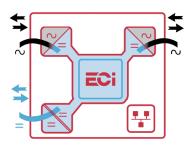


Technology

Sierra is the world's first fully bidirectional power converter.

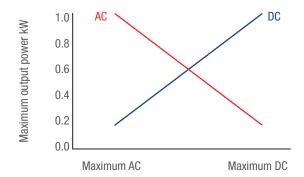
The three ports (two AC and one DC) built into each module can all function as input and output. This means that you can use it to secure AC & DC loads and charge batteries at the same time.

Sierra is also the right choice for energy management applications such as grid reinjection, peak shavings, phase balancing or innovative solutions based on energy sharing via a DC distribution.



How it works?

At the heart of each module, there is a DC energy buffer. It uses the energy that comes, whatever its source, to feed what needs it. The total output power is **shared live** between the loads and the batteries. It's that simple! No configuration is required, you are totally autonomous.



Key features:

- Secure AC & DC loads
- Modular (1.2 kW to 38 kW)
- Highest power density
- Hot-swappable capacity
- · Compact, easy to install and operate
- User-friendly monitoring

The total output power per module is 1.2 kW, limited to 1 kW for each AC or DC port.

Versions

Sierra 10 - 48/230 is also available in a **Subrack System** to provide up to 6 kW in just 1U high or **4.8 kW with built-in monitoring**.



For larger loads, use the Sierra 25 - 48/230.

Illustrations are non-binding and may include customized fittings.









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/ Max RH 95% for 96 hours per year
asing
available for 48V DC output)
available for 40 v BO datpaty
manual reset is required
AC output)
ot - T602004110, Inview GW - T60200400
nd 8 digital Inputs / T602006000
5 digital hipato / 1002000000
61000-4-5 / EN 61000-4-6 / EN 61000-4

Sierra 10 - 48/230 - Datasheet v2.6 Specifications can change without notice. New data will be updated on our website: www.cet-power.com.

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Permanent 1200 W / de-rating apply based on internal heatsink T°
 Operation within lower voltage networks leads to de-rating of power performances.