



Revolutionizing the Solar Industry

THE CP-250E AND CP-720 ARE RULE 21 PHASE III COMPLIANT

Chilicon Power is proud to announce that both the CP-250E and CP-720 have been certified by Intertek, a nationally recognized testing lab, as compliant with California Rule 21 Phase III (SA-14/SA-15) regulations. Phase III requirements consist of advanced inverter functions, like data monitoring, remote connection and disconnection, and maximum power controls. Specifically, SA-14 deals with frequency-watt control, while SA-15 concerns volt-watt mode, two applications that Chilicon Power has perfected with its unique AC coupling solutions.

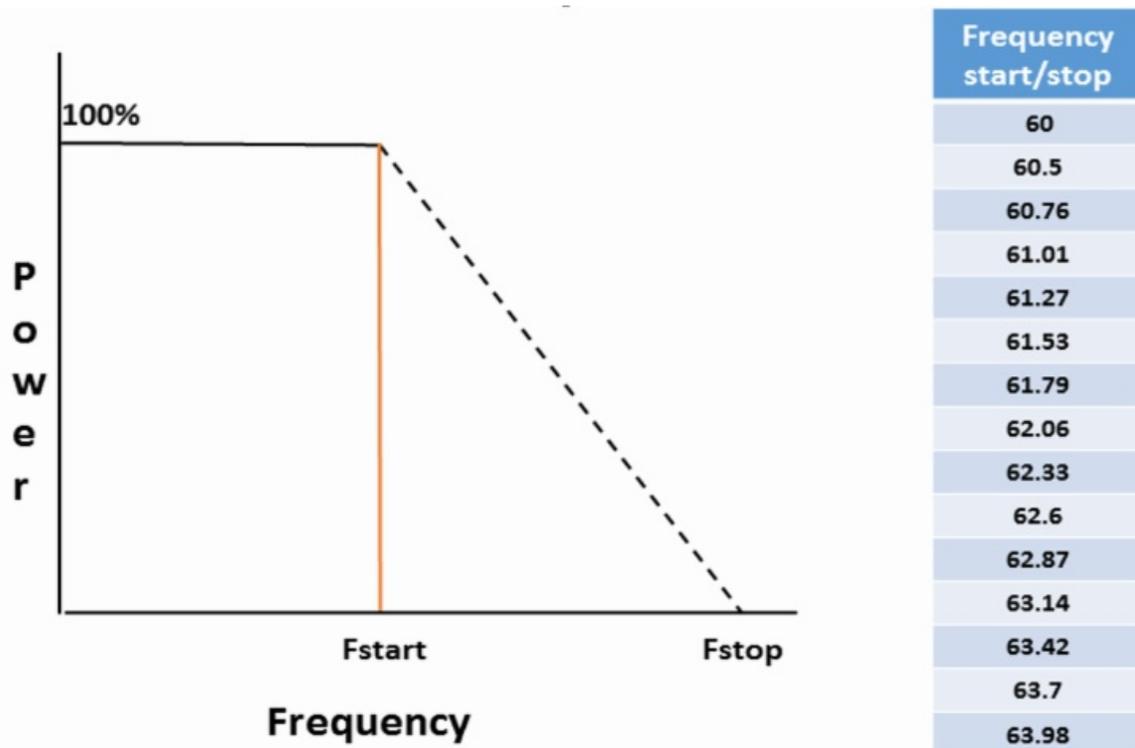


[Check Out the CP-720 Data Sheet](#)

FREQUENCY-WATT MODE

The manufacturer of the world's most technologically advanced microinverter system has raised the bar on what's possible for AC coupled systems. Whether it's on grid or off, both the CP-250E and CP-720 pairs seamlessly (and flawlessly) with any battery or generator to maximize productivity. By using the AC coupling feature on the Gateway- Chilicon's revolutionary monitoring device- you can easily program the microinverters to regulate production, assuring optimal performance. For batteries, this is accomplished by controlling the frequency-watt mode of the grid. The battery and inverter work together,

increasing and decreasing frequency to ensure the appropriate power output.

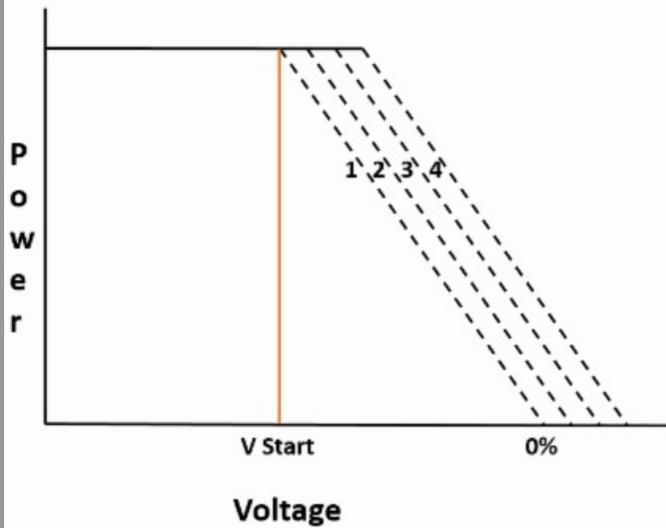


Frequency start and stop (F_{start} and F_{stop}) values are sent from the CP-100 Gateway into the inverter array; $F_{stop} \geq F_{start}$.

[Check Out the White Paper](#)

VOLT-WATT MODE

In pairing with a generator, each microinverter- whether it's the CP-250E or CP-720- constantly monitors the line voltage and regulates power should the voltage cross certain thresholds. This approach prevents an over-voltage condition from developing on an islanded generator controlled system. It also allows for the microinverters to co-generate (decreasing fuel consumption) without need for a transfer switch between the generator and the array.



Mode	V start	Transition Zone	V end
1	102%	25% Power Reduction per 1% <u>Vgrid</u> Rise	106%
2	103.3%	25% Power Reduction per 1% <u>Vgrid</u> Rise	107.3%
3	104.7%	25% Power Reduction per 1% <u>Vgrid</u> Rise	108.7%
4	106%	25% Power Reduction per 1% <u>Vgrid</u> Rise	110%

SEE WHY SOLAR PROS ALL OVER THE COUNTRY HAVE BEEN SWITCHING TO CHILICON POWER



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