

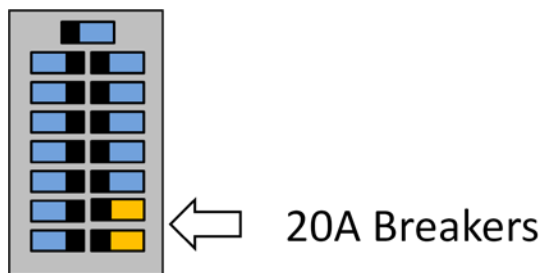
## TECHNICAL BULLETIN

### Chilicon Microinverters on 40A Maximum Backfeed

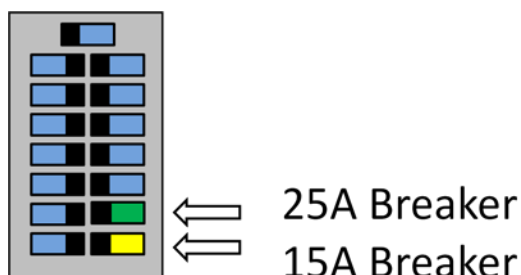
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Chilicon Power trunk cable allows for branch circuits of up to 24A on a 30A breaker. However, as a standard 200A service panel with a 200A main can support a total of 40A of PV system backfeed, it is sometimes desirable to use circuit breakers smaller than 30A. There are two common scenarios, depending on the type of PV module deployed: lower wattage modules and ones greater than 350W.

For higher wattage modules, up to 10 modules (5 micros) can be connected on a branch circuit fed into a 20A breaker. Two of these can be installed either in a subpanel or, if room permits, at the main service panel. This can be increased to 12 modules if the power of the microinverters is limited to 640W\*



For lower wattage PV modules, the maximum number of modules can be deployed by using a combination of a 25A and 15A breaker. A total of 16 modules (8 micros) can be connected on the 25A breaker circuit and a total of 10 modules (5 micros) on the 15A breaker. In this scenario, the power of the microinverters should be limited to 576W\*.



For more information on this topic, contact [support@chiliconpower.com](mailto:support@chiliconpower.com)

\* Refer to Technical Bulletin TBT4 *Power Limiting of Microinverters* for instruction on this procedure.