



Grid-Forming Virtual Synchronous Machines (VSM)

- Advanced power electronic converters that mimic the behavior of conventional synchronous machines
- Applicable for single-phase, split-phase, or three-phase AC applications
- With up to two DC MPPT inputs and one battery input
- Black-start and grid-forming
- Regulation of frequency and voltage
- Operation both with and without the grid
- Capable of operating individually or in parallel with multiple units for higher power applications
- Islanding detection and automatic disconnection
- Seamless reconnection after grid recovery
- Available in ratings from 3 to 12 kVA per unit



5 VSMs working with two PV simulators and one BYD battery

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