

New Members to the SATCON Family

www.sicusallc.com



EQUINOX MX Series

- Multiple MPPT provide the flexibility to the design which can accommodate different angles and efficiencies of the solar modules.
- 3 independent MPPT: Minimize the machine down time effect on power generation, 1 MPPT down, another 2 MPPT (66%) can continue to work until shutdown for repair.
- Industrial grade component, IP54 Enclosure designed for 25 Years outdoor Application.
- 7" Touch Screen user friendly HMI design.
- Top in bottom out cooling air flow with self –cleaning capability.
- Solar shields attached to exterior of enclosure dissipate solar radiation, reduce heat buildup.
- Max efficiency of 98.7% and 98.5% CEC efficiency.
- UL certified.

Equinox MX 750kW & 1MW

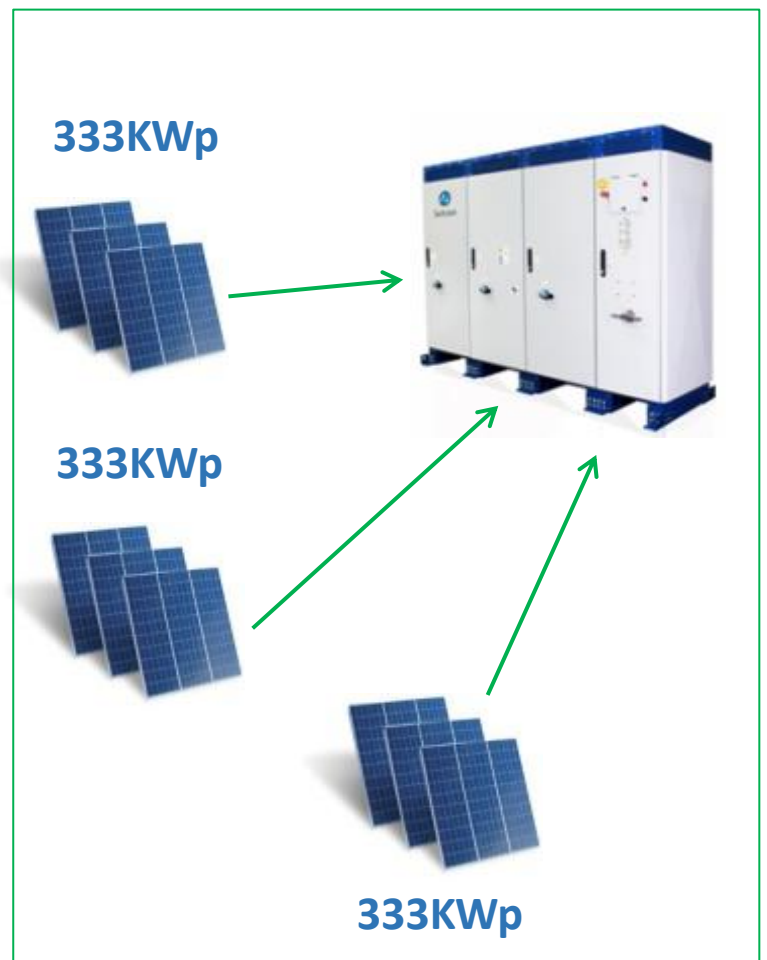


**Equinox MX
500kW & 630kW**



Multiple MPPT Function

1 set of 3 MPPT Equinox MX 1MW Inverter = 3 sets of 1 MPPT 333kW standalone inverters.



Container Platform

Inverters can also be combined in a container platform as 1MW, 2MW, or 4MW solution with build-in transformers

STRING Inverters

- 4 independent MPPT, 3-phase transformerless, IP65
- Maximum input voltage of 1000VDC
- Over 98.6% peak efficiency
- Wide thermal operating range: -13°F to +140°F (-25°C to +60°C). Full nominal power at ambient temperature up to 45°C.
- Cutting edge communication options: RS485, Ethernet, USB and WiFi to meet different customers' requirements and complete grid management features.
- Build-in DC AFCI for UL modules; Floating system with all-pole sensitive ground fault protection; Reverse polarity indicator; AC short circuit protection; DC & AC Over-voltage protection.

String 60kW



Equinox HYBRID series

- Hybrid is able to combine solar system, EV charger, battery banks, on-grid and off-grid.
- On grid mode to off grid mode: When grid voltage or frequency is out of spec., the system will stop the on grid mode and switch to the off grid mode. There would be around 10sec of power interruption for switching.
- Industrial grade components, superior reliability.
- IP54 Enclosure, proven design with 20Y+ PV inverter outdoor application.
- Unique top in bottom out air flow design, self cleaning capability.

Multiple combination that satisfied different demands.

**Equinox Hybrid System
50kW**



**Equinox Hybrid System
250kW**





Solar Array

Battery Bank



Grid or Gen

Load

Model 1:

DC side: Solar system and Battery bank.

AC side: Grid or Gen set and the Load

Function:

Using solar system and the battery bank as the main power source. Take grid or gen set as the backup source.

Solution for: Supermarkets, warehouses, offices, factories, etc.

Model 2:

DC side: Solar system and EV Charging system

AC side: Grid

Function:

To charge electric cars both with solar system and the grid which can reduce the power consumption from the grid.

Solution for: EV Charging stations



Solar Array



Grid

Battery Bank



Grid

Model 3:

DC side: Battery bank and EV charging system

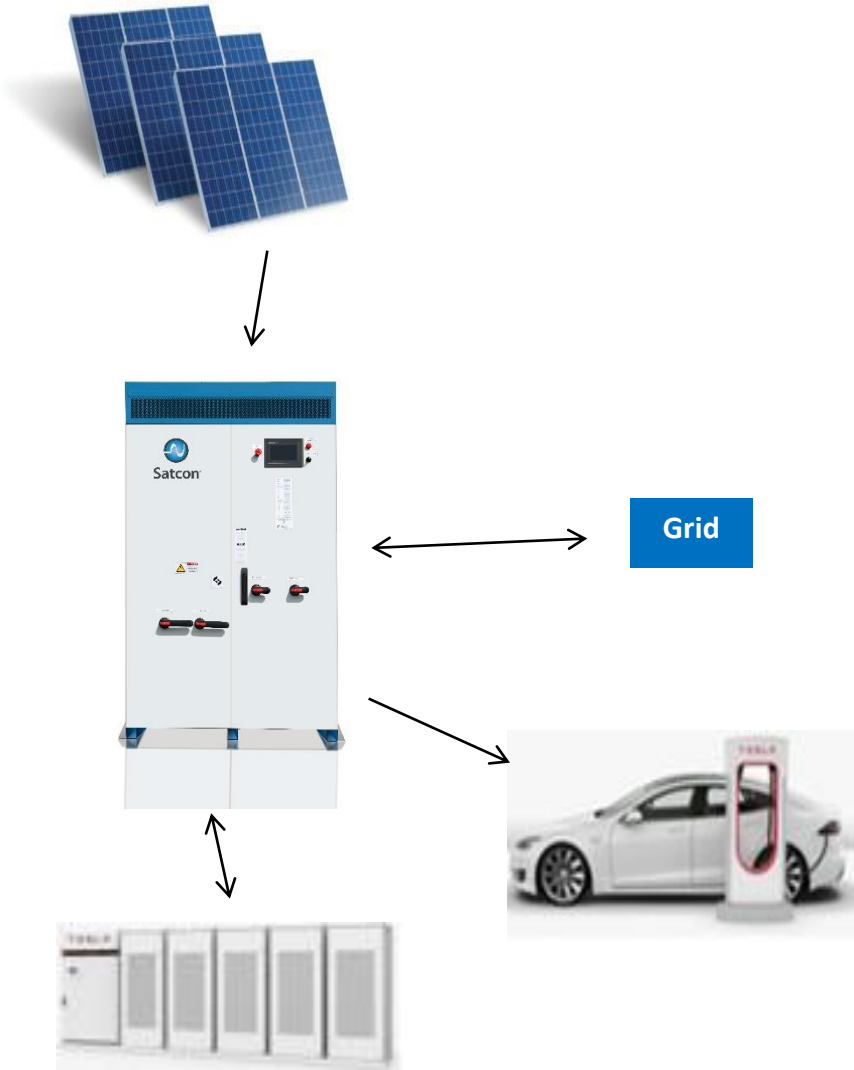
AC side: Grid

Function:

Fill up battery bank from the grid while off-peak hours, then charge to the electric cars which will have lower cost of electricity as well as no peak charge from the grid.

Solution for: EV charging stations.





Model 4:

DC side: Solar system, Battery bank and EV charging system

AC side: Grid

Function:

Use solar system and battery bank as the main source of the power. Take grid as the backup. Can minimize the power consumption from the grid as well as provide the peaking shaving solution to the users.

Solution for: EV charging station attached with store, supermarkets, warehouses, factories, offices, etc.

More information and photos can be found on our website...
www.sicusallc.com

Satcon Equinox MX
<http://www.sicusallc.com/satcon-equinox-mx.html>

Satcon Equinox Hybrid
<http://www.sicusallc.com/satcon-equinox-hybrid.html>

Satcon String
<http://www.sicusallc.com/satcon-string-inverter.html>

Satcon Containerized Solutions
<http://www.sicusallc.com/satcon-container-platform.html>

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