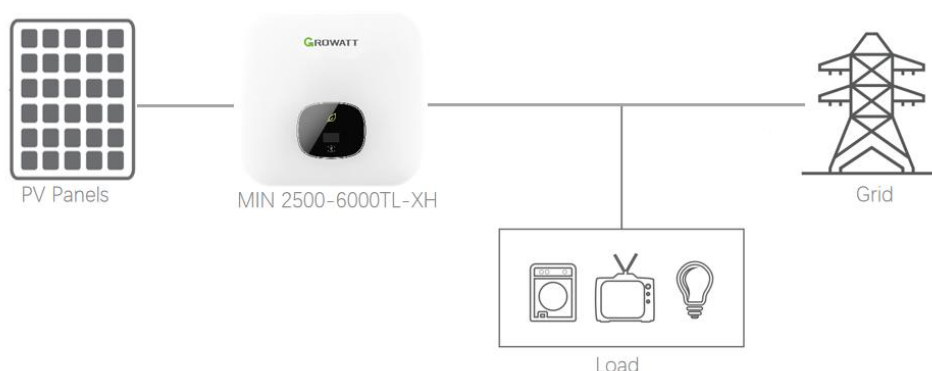


MIN 2500-6000TL-XH/XA Meets All Your Needs

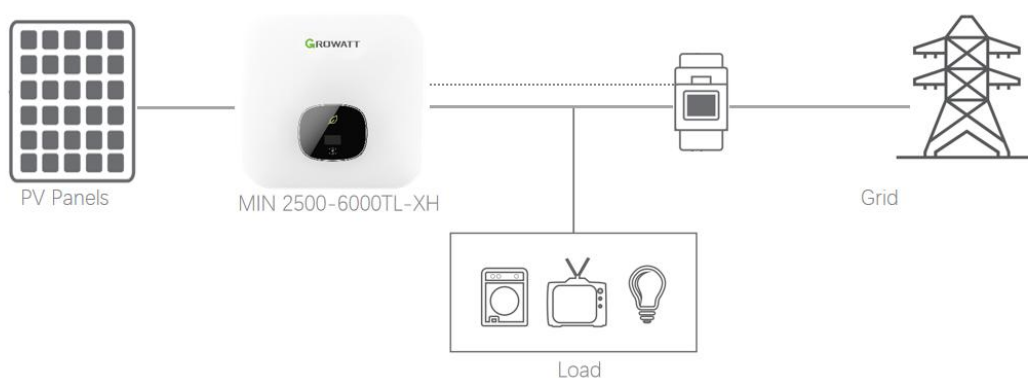
Growatt MIN 2500-6000TL-XH/XA is a battery ready inverter that can be used in multiple application scenarios, one inverter meets all kinds of solar system and storage system demands. It can work as a standard on-grid inverter with updating potential, a typical hybrid inverter with battery, AC-retrofit solution with existing on-grid solar system, and as a back-up application for blackouts.

Typical solar system application

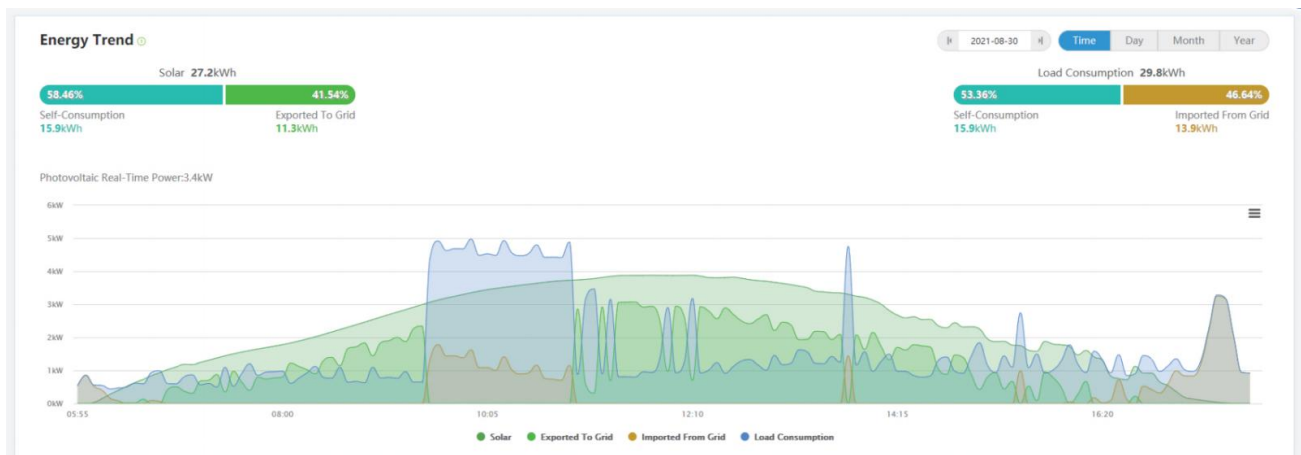


Growatt MIN 2500-6000TL-XH can be used in a typical solar system as a on-grid inverter, it turns solar DC power to AC power and supports home applications, with the remaining power output to the grid.

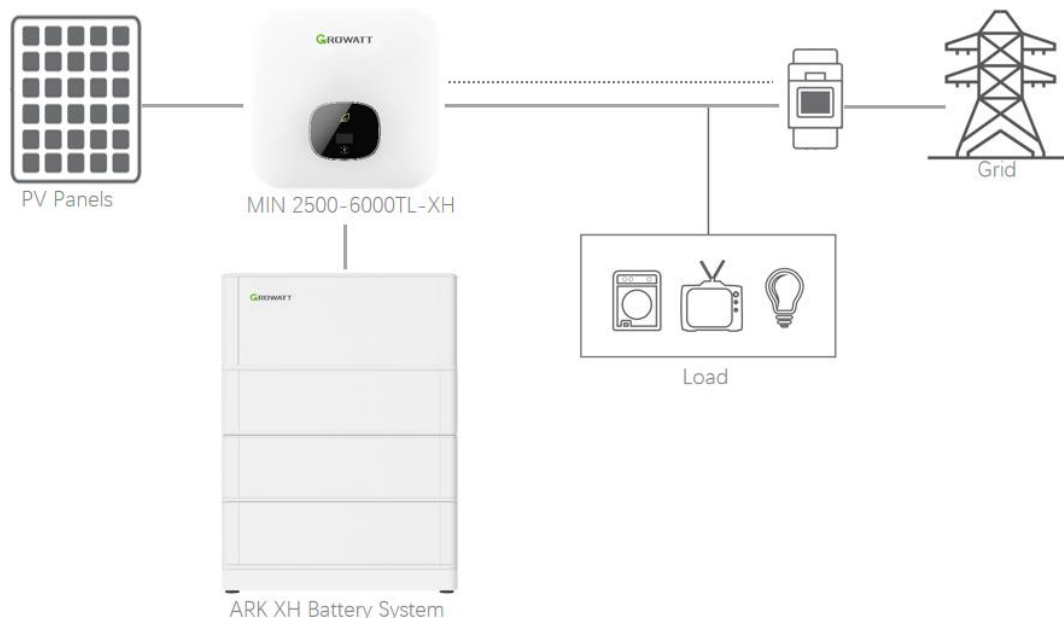
Typical solar system with a meter



When add a meter to the solar system, inverter can limit the system export power to the grid, and also allows owners to see 24 hours energy production and consumption on Growatt free portal ShineServer and ShinePhone App. On this portal, owner can see both production and consumption data, as well as self-consumption rate, which help system owners better know their energy usage. For three phase grid, customers can use a three phase meter.

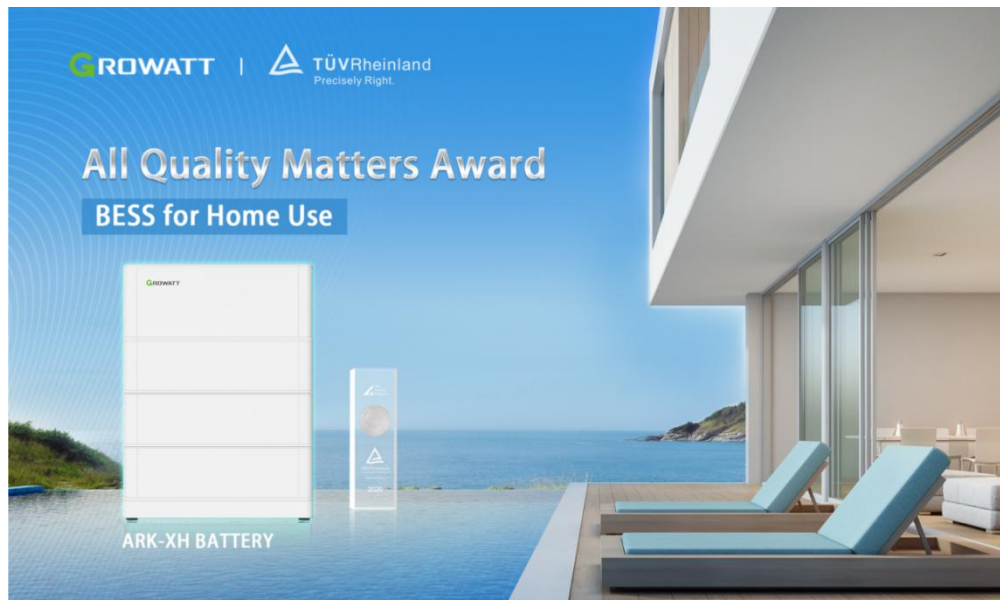


Storage system application

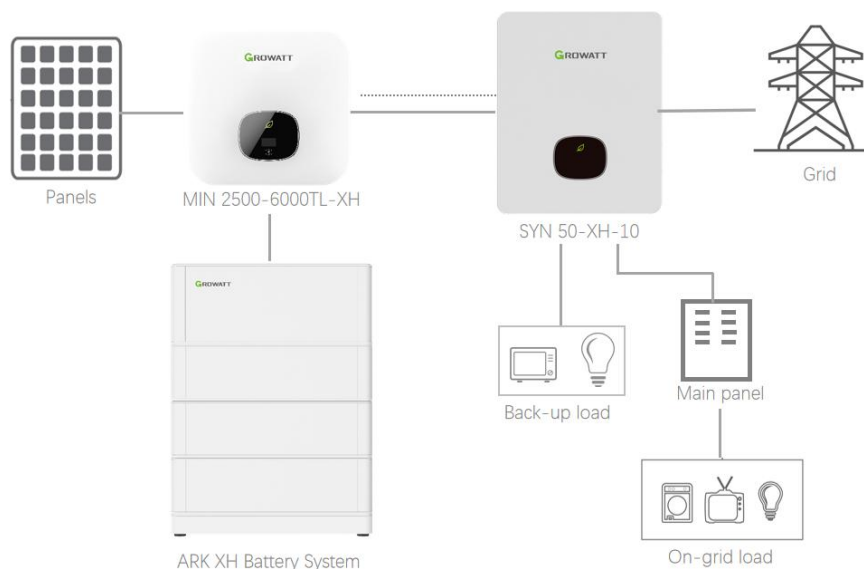


MIN 2500-6000TL-XH/XA is equipped with a battery interface, which allows owners to update their solar system to storage system at anytime, thus reducing the initial investment and offer owners enough flexibility.

MIN 2500-6000TL-XH/XA can work with Growatt ARK XH Battery System, which uses LiFePO4 chemistry for maximum safety and longevity, With 2.56kWh per module, the capacity of the battery system ranges from 5.12-17.9kWh. Users can choose the suitable capacity according to their preference.

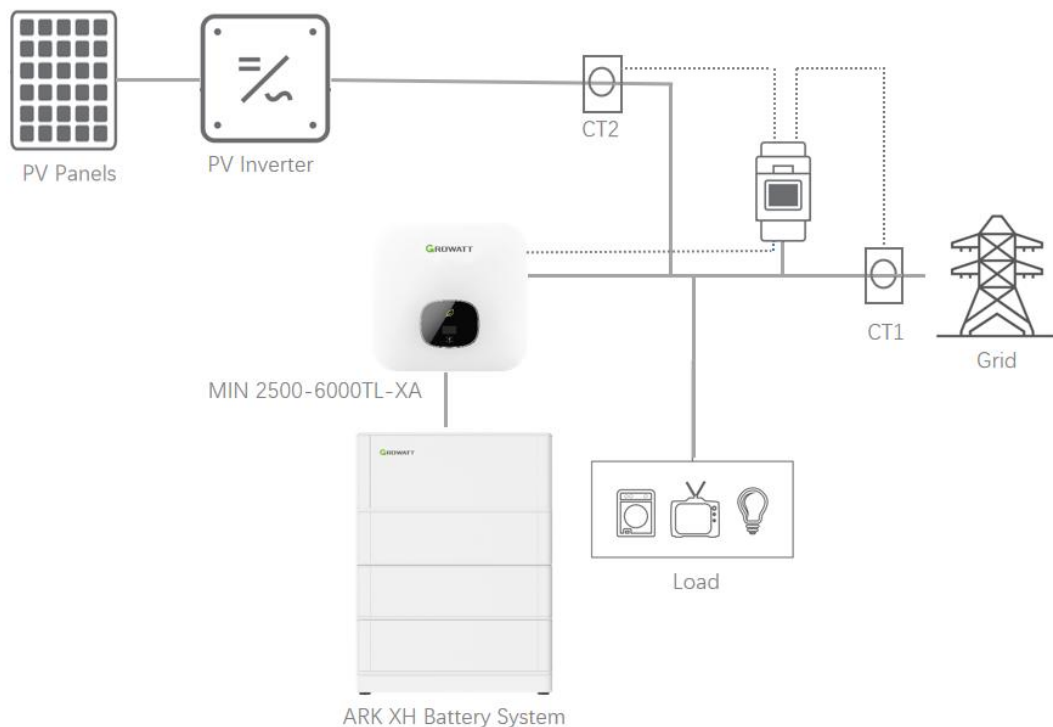
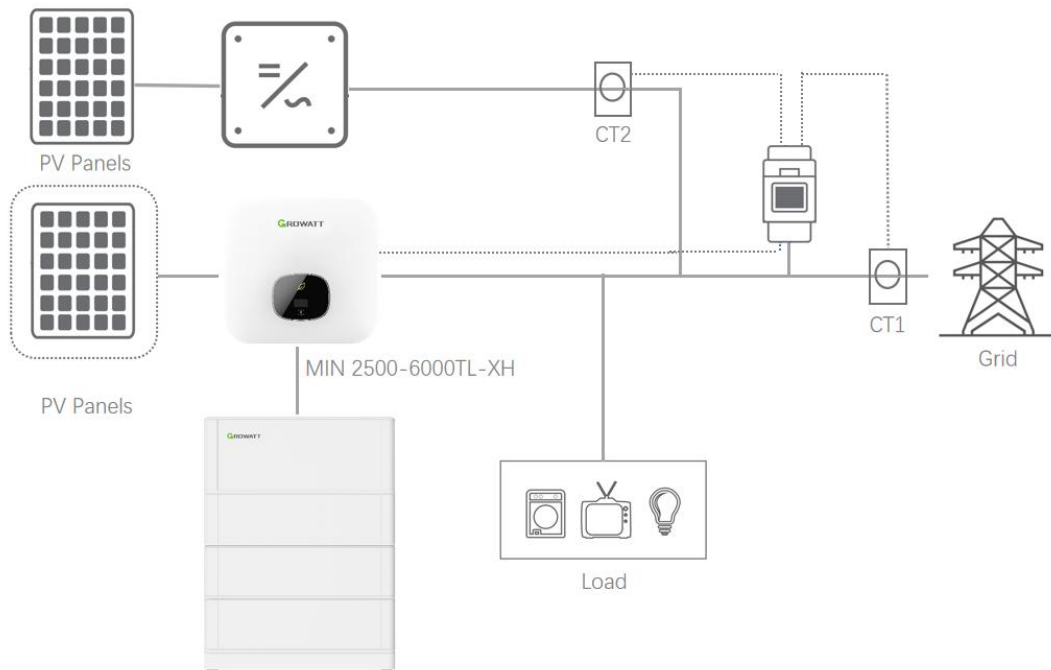


Storage system application



The MIN 2500-6000TL-XH/XA can switch to back-up mode automatically when power outage happens, and supply emergent power to critical loads. A SYN 50-XH-10 is required when use back-up function, the maximum back-up power up to 6kW, it is related to the power of inverter and the capacity of the batteries. The SYN 50-XH-10 has a built-in single-phase meter, eliminating the need for an additional meter and simplifying on-site installation.

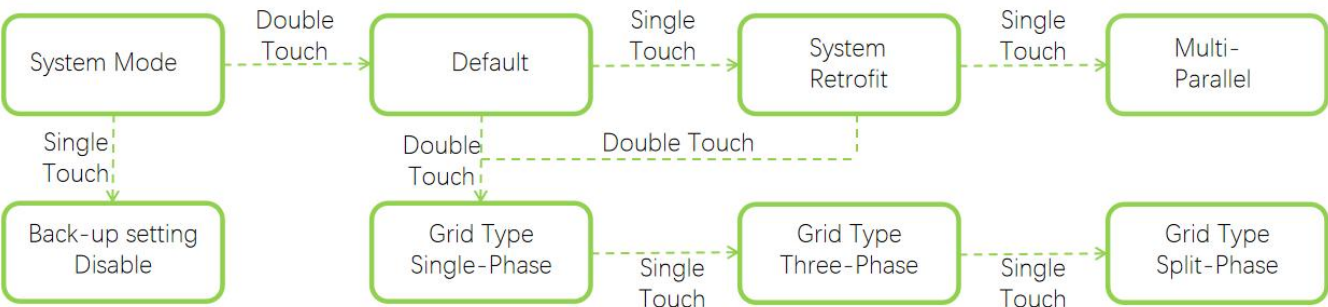
Work with existing solar system



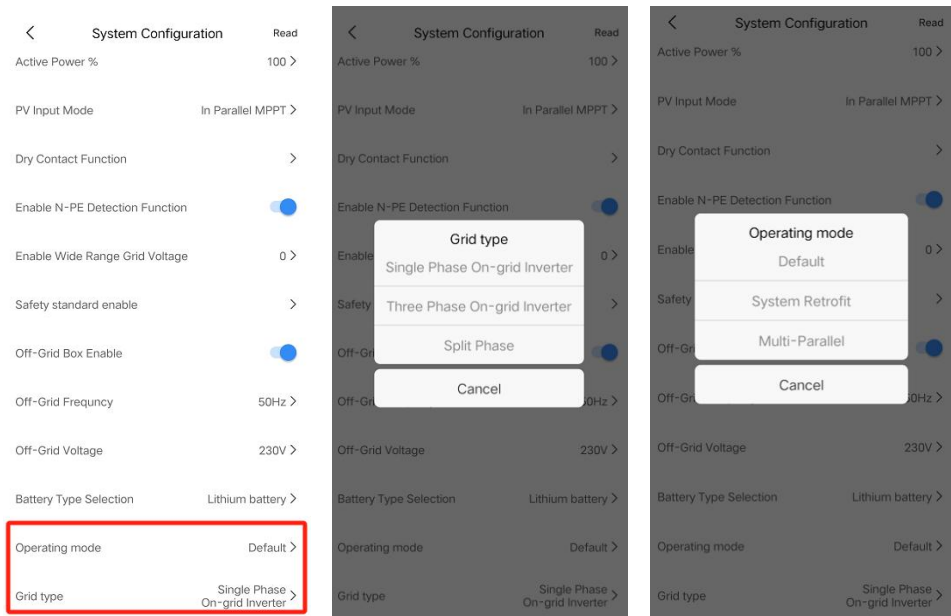
When there is already a solar system on the roof and users want to update it to a storage system, MIN 2500-6000TL-XH/XA is the right choice. CT2 will detect the exist inverters' production, CT1 will detect the grid connection point import and export power. If no more panels are needed, MIN 2500-6000TL-XH can also be used as an AC-coupled inverter by simply leaving the PV input empty.

When retrofitting a single phase system, please use an Growatt three phase smart meter APM-CT-G or TPM-CT-E. The export limitation function is not supported in the case of a retrofit, as there is no way to control third-party inverters.

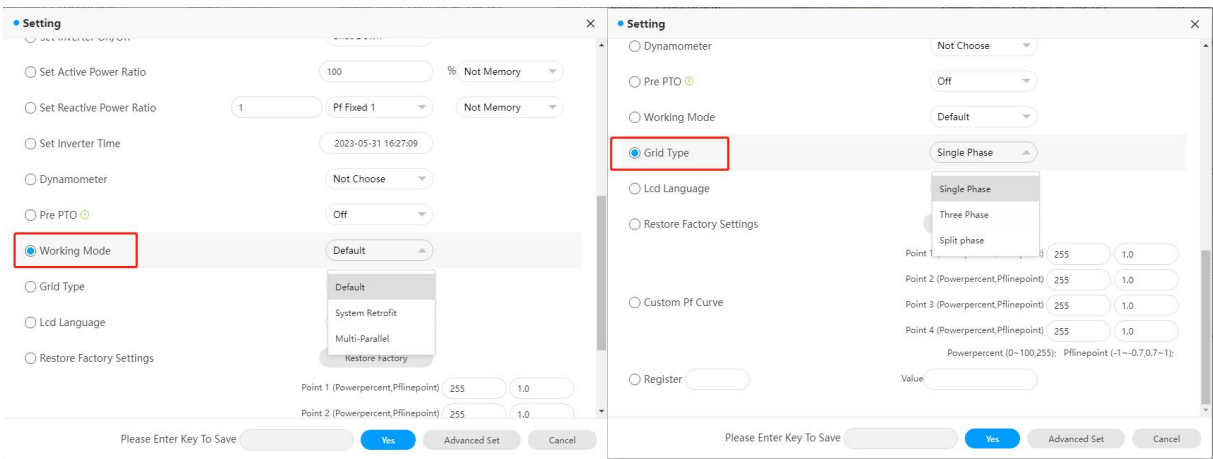
MIN 2500-6000TL-XH is shipped in Default Mode, and when applied to a retrofit scene, it needs to be set to System Retrofit Mode on OLED, ShineTools or OSS and the grid type selected. MIN 2500-6000TL-XA is set to the System Retrofit Mode before delivery.



Set on OLED

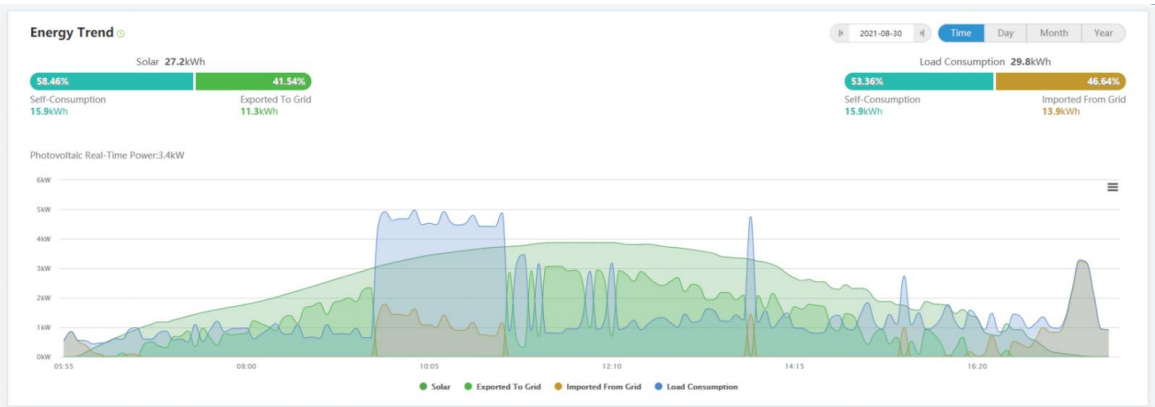


Set on ShineTools



Set on OSS

Growatt monitoring platform allows owner to see the yield and self-consumption rate of the entire system. The solar yield includes the yield of the MIN 2500-6000TL-XH/XA and the yield of original inverter. Users can also view battery information such as battery charge/discharge data, and battery SoC trend line.



Battery Information

