

MAX the Solar Power Generation

Growatt New String Inverter for C&I PV Applications

Growatt has expanded its portfolio for the commercial rooftop PV system. The new string inverter MAX 100-125KTL3-X LV with 100-125kW output power offers customers more flexibility in the implementation of the commercial rooftop system. The MAX 125KTL3-X LV inverter with 125kW output power, which is the highest power of string inverter with multiple MPPTs at 400Vac level.

High Yields

The MAX 100-125KTL3-X LV inverter with 10 MPP trackers and 20 strings, provide maximum flexibility of system design and installation. The part shadow or different module orientations can be taken into account, so that system can always achieve the highest energy yields during the day. It supports up to 150% DC/AC ratio and is suitable for solar projects with up to 1100V DC. With the wide MPPT working range 180V-1000V, the inverter can start to work earlier in the morning and turn off later in the afternoon, realize a longer running time and generate more solar power.

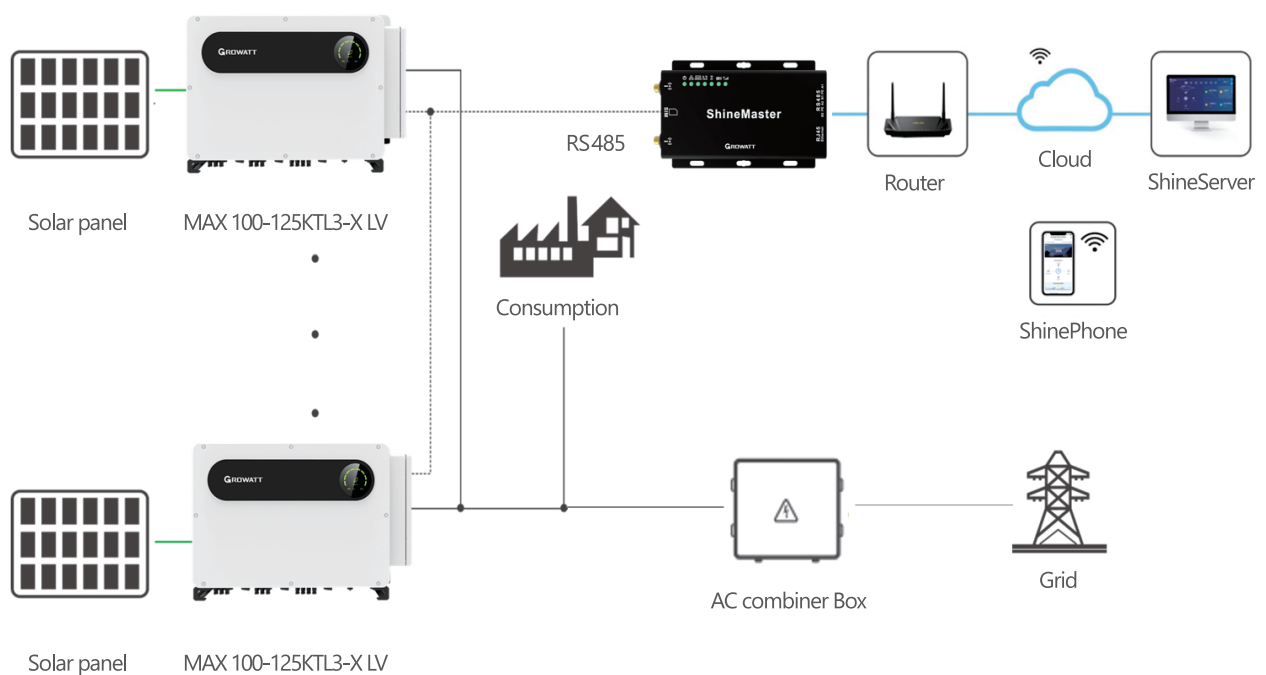
Compatible with High Power Modules

In the past two years, with the advancement of technology and the reduction of costs, the 182mm and 210mm solar modules became more and more popular in the market. Meanwhile, it also brings more challenges to the inverter manufacturers to match with this high power solar modules. Growatt MAX 100-125KTL3-X LV series inverter, the maximum DC input current is 32A for each MPPT and 16A for each string, which can perfectly match with the new generation high power solar modules and bifacial solar modules.

Safe & Reliable

The MAX 100-125KTL3-X LV inverter has multiple MPPTs and fuse-free design. Meanwhile the inverter is integrated with Type II SPD on both DC and AC sides, also with optional active arc protection (AFCI) and Anti-PID function. The AFCI is a very important protective function for the PV system, to prevent fires caused by faulty arcs on the PV side, such as aging, electrical insulation damage, wire damage, loose connections, and air breakdown caused by air humidity, etc.

System Solution and easy O&M



Growatt provides system solutions of monitoring and smart energy management for C&I projects, ShineMaster is a monitoring device for multiple inverters in one system, and SEM provides the solution for special system functions, such as system export limitation or system PF control.

System Size	300kW	500kW	1MW
Inverter	MAX 100KTL3-X LV*3	MAX 125KTL3-X LV*4	MAX 125KTL3-X LV*8
MPPTs/Strings	30/60	40/80	80/160
Monitoring	ShineMaster	SEM 500K	ShineMaster
Export limitation	No	Yes	No



Growatt also provides different monitoring platforms to different users, such as ShinePhone and ShineServer to end-users, ShineTools and OSS system to installers and distributors for configuration and O&M. Installer can take easy and quick online service through OSS, for example, online smart IV scan and diagnosis, remote configuration and firmware upgrade. According to our experience, 60% of issues can be solved via OSS without on-site travelling.



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