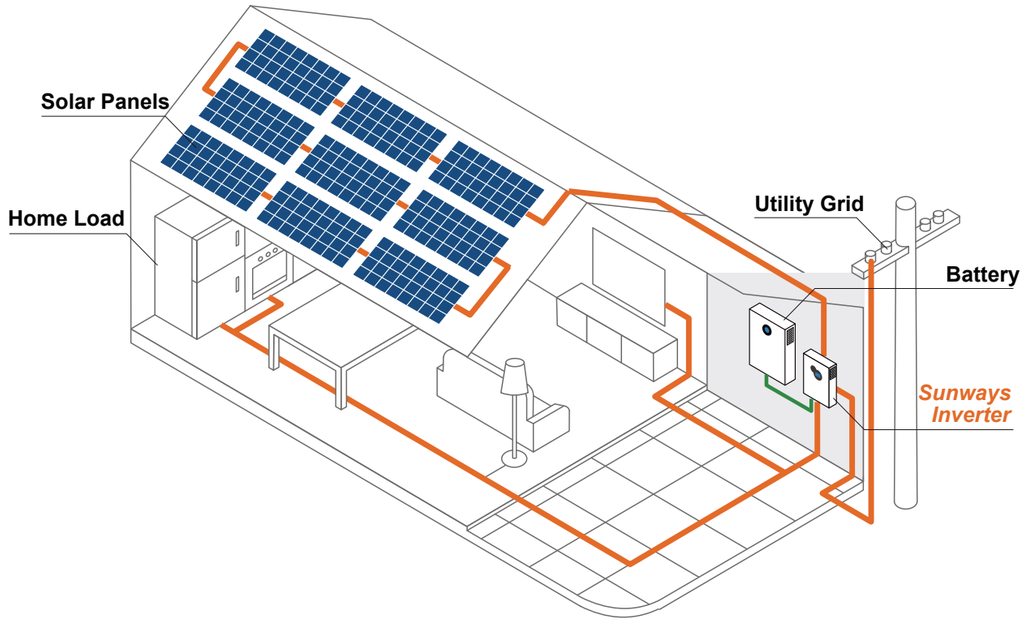
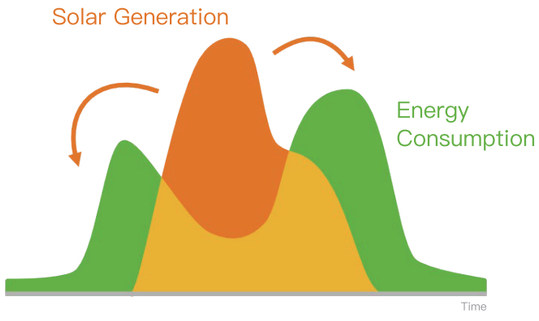
STO Series UPS Solar Inverter



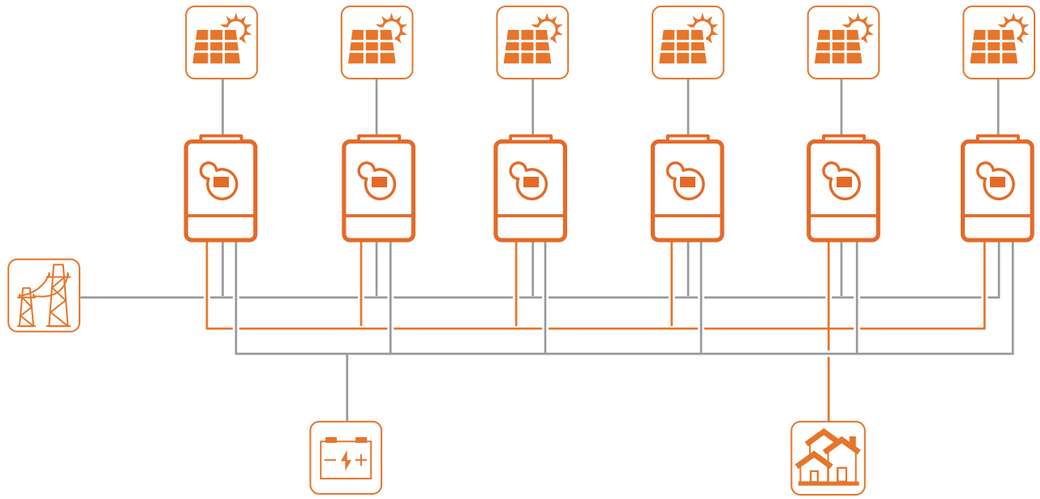


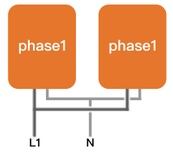
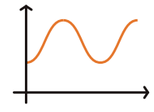
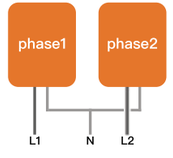
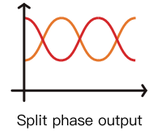
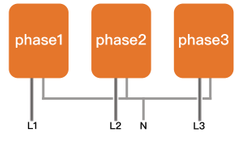
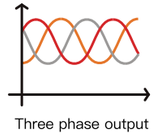
Safe | Plug&Play | Uninterrupted | Scalable | Efficiency

Solar energy is volatile and does not match the daily peak of electricity consumption, so we need Solar Energy Storage System to regulate the energy distribution and convert solar energy into stable AC energy.

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STO Series UPS Solar Inverter

Parallel Connection

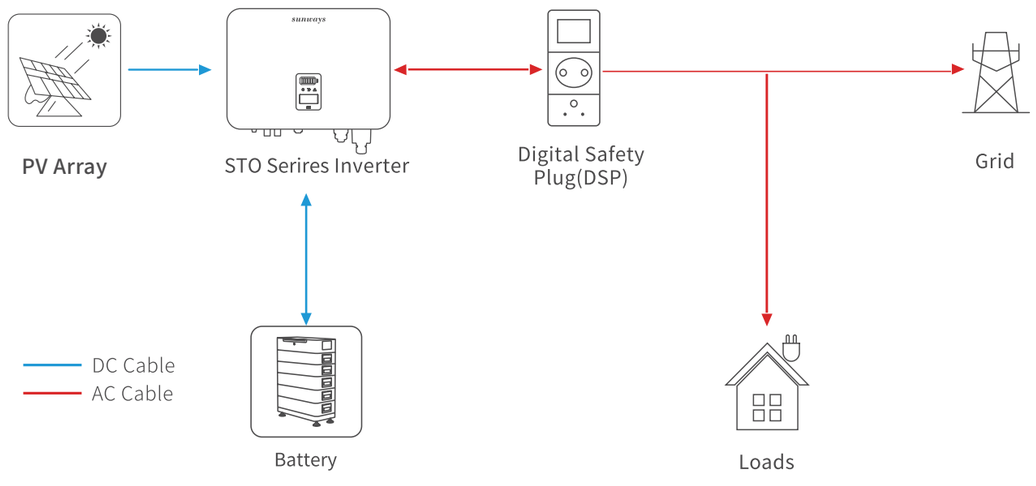


Output plan	Output phase	Description
	 Single phase output	Supports parallel connection of 1 to 6 inverters, each with the same phase output, for a single-phase output with power stacking Eg. 5kW per inverter, 3 inverters in parallel can output 15kW
	 Split phase output	Supports 2 to 6 inverters connected in parallel, with L1 and L2 consisting of at least one inverter to form a split phase output **(US voltage models only)**
	 Three phase output	Supports 3 to 6 inverters in parallel, with L1, L2 and L3 each consisting of at least one inverter to form a three-phase output

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STO Series





Model	STO-5KTL	STO-8KTL	STO-10KTL	Can Be Set
INVERTER OUTPUT				
Rated Output Power	5,000W	8,000W	10,000W	
Max.Peak Power	10,000VA	16,000VA	20,000VA	
Rated Output Voltage	120Vac/230Vac /240Vac			√
Load Capacity of Motors	4HP	5HP	6HP	
Rated AC Frequency	50/60Hz			√
Parallel Capacity	1~6 units			
BATTERY				
Battery Type	Li-ion / Lead-Acid / User Defned			√
Rated Battery Voltage	48Vdc			
Max.MPPT Charging Current	100A	180A	200A	√
Max.Mains/Generator Charging Current	60A	100A	120A	√
Max.Hybrid Charging Current	100A	180A	200A	√
PV INPUT				
Num. of MPP Trackers	1	2		
Max.PV array power	5,500W	5,500W + 5,500W		
Max.input current	22A	22A + 22A		
Max.Voltage of Open Circuit	500Vdc	500Vdc + 500Vdc		
MPPT Voltage Range	125~425Vdc			
MAINS / GENERATOR INPUT				
Input Voltage Range	90~140Vac / 170~280Vac			√
Frequency Range	50/60Hz			
Bypass Overload Current	63A			
GENERAL				
Dimensions	446.9*350*133mm	620*445*130mm		
Weight	13kg	27kg		
Protection Degree	IP20, Indoor Only			
Operating Temperature Range	-15~55° C, >45° C derated			
Noise	< 60dB			
Cooling Method	Internal Fan			