

Residential ESS Series

Split-phase Inverter
Sbattery Voltage:48V



Features

■ Safe and reliable

- UL 1741:2021, IEEE 1547.1, UL1699B, NRS097-2-1:2017

■ Friendly and flexible

- Multi-parallel supported;
- Support multi-parallel mode with a shared battery pack;
- Single-machine bypass load capacity is 100A.

■ Economical and practical

- Support parallel SOC balancing control and parallel current sharing control;
- Adopt split-phase topology structure, without the transformer, the system efficiency is higher;
- Support simultaneous access of diesel generator and mains power.

Technical Parameters

Model	YT-P5000TL1-US	YT-P6000TL1-US	YT-P8000TL1-US	YT-P10K0TL1-US
DC input parameters[PV]				
Maxi. DC power [kW]	7.5	9	12	13
Maxi. DC voltage [V]	500			
MPPT Voltage range[V]	120~500			
Single MPPT Maxi. input current[A]	12			
MPPT quantity/Maxi. palleral string quantity	4/1			
Output parameters[AC]				
Rated output power[kVA]	5	6	8	10
Maxi. output current[A]	24	28.8	38.3	47.8
AC output voltage [Vac]	120/240 (split-phase) , 208 (2/3 phase) ,230 (single phase)			
Rated grid frequency[Hz]	50/60			
Grid connection type	split-phase,2/3 phase, single phase			
Auto switch time[ms]	<20			
Overload capacity	125%,60S/150%,1S			
Battery parameters				
Battery voltage range[V]	40~58			
Maxi. charge voltage[V]	58			
Maxi. charge/discharge current[A]	120/120	135/135	190/190	210/210
Communication interface	CAN/RS485			
Regular parameters				
Ingress protection	IP65/NEMA 3R			
Noise[dB]	<29			
Cooling mode	natural cooling			
Altitude [m]	2,000m(>2,000 derate)			
Dimension W*D*H[mm]	430*220*710			
Weight[kg]	41			
Display and communication				
Display	LCD; APP			
Communication mode	RS485/Wifi/4G/CAN/DRM			

■ Product continues to iterate, specifications may be updated without prior notice.



Official WeChat