

SunStorage PRO

STE-261L-75/80/99/100/125HT-300

Liquid-cooled

Hybrid Cabinet
for C&I Scenario



Higher Space Utilization

1.4 m² footprint, larger capacity per cabinet, saving space and site cost.



Safe & Reliable

Optimized ventilation design, temperature difference within 3°C.



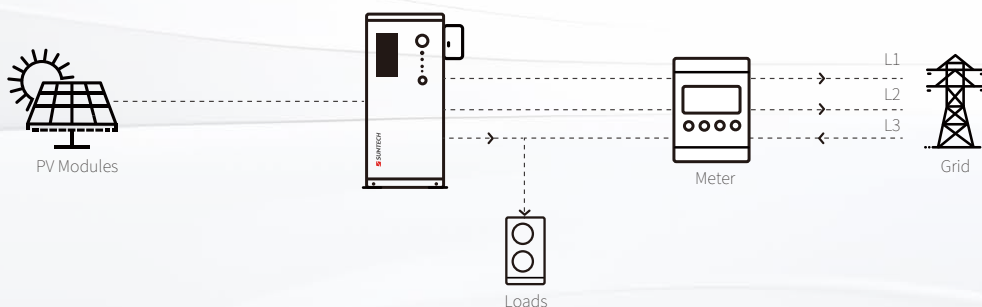
Versatile

Support multiple brands of hybrid inverter, with higher selectivity.



Simplified System

Sufficient power for most commercial/industrial applications, reducing parallel inverters.



Inverter Models	STE-75HT-300	STE-80HT-300	STE-99HT-300	STE-100HT-300	STE-125HT-300
PV Side					
Max. PV Array Power(kWp)	150	160	200	200	250
Max. PV Input Voltage *(V)			1000*		
Rated PV Input Voltage(V)			620		
Start-up Voltage(V)			180		
MPPT Operating Voltage Range *(V)	160~950*	160~950*	160~950*	160~950*	160~950*
No. of MPP Trackers	6	6	6	6	6
No. of Strings per MPPT	3	3	3	3	3
Max. Input Current per MPPT(A)	6×48	6×48	6×48	6×48	6×48
Max. Short-circuit Current per MPPT(A)	6×60	6×60	6×60	6×60	6×60
Grid Side (On-Grid)					
Rated Output Power(kW)	75.0	80.0	99.0	100.0	125.0
Max. Output Apparent Power(kVA)	75.0	80.0	99.0	100.0	125.0
Rated AC Output Voltage(V)	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated AC Output Frequency(Hz)	50/60				
Rated Output Current(A)	113.6/108.7/104.2	121.2/115.9/111.1	150.0/143.5/137.5	151.5/144.9/138.9	189.4/181.2/173.6
Power Factor	0.8 leading ---0.8 lagging				
THDi (@Rated Power)	< 3%				
Max. Input Apparent Power **(kVA)	207.0	207.0	207.0	207.0	207.0
Rated AC Input Voltage	3L/N/PE; 220/380V;230/400V;240/415V				
Rated AC Input Frequency(Hz)	50/60				
Max. AC Input Current(A)	300.0	300.0	300.0	300.0	300.0
Back-up Side (Off-Grid)					
Rated Output Power(kW)	75.0	80.0	99.0	100.0	125.0
Peak Output Apparent Power(kVA)	165 @10S	165 @10S	165 @10S	165 @10S	165 @10S
Rated Output Voltage(V)	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Output Frequency(Hz)	50/60				
Rated Output Current(A)	113.6/108.7/104.2	121.2/115.9/111.1	150.0/143.5/137.5	151.5/144.9/138.9	189.4/181.2/173.6
On/Off-grid Switching Time	< 20ms				
THDv(@Linear Load)	< 3%				
Efficiency					
MPPT Efficiency	99.90%				
Max. Efficiency	98.10%				
European Efficiency	97.50%	97.50%	97.60%	97.60%	97.60%
Max. Battery to AC Efficiency	97.50%				
Max. PV to Battery Efficiency	98.50%				
General Data					
Dimensions(W*H*D mm)	1232x932x356				
Weight(KG)	164				
Ingress Protection	IP66				
Anti-corrosion Degree	C4				
Standby Self-consumption(W)	< 35				
Topology	Transformerless				
Operating Temperature Range(°C)	-30~60				
Relative Humidity(%)	0~100				
Max. Operation Altitude(m)	3000				
Over Voltage Category	II(PV+Battery), III(Mains)				
Cooling	Smart Fan				
Display	LED & OLED				
Communication	CAN, RS485				
Battery Cabinet					
Cell Type	LFP / 314 Ah				
Pack Configuration	52.25 kWh / 1P52S				
System Configuration	261 kWh / 1P260S				
Rated DC Voltage(V)	832				
DC Voltage Range(V)	728 ~ 936				
Ingress Rating	IP55				
Anti-Corrosion Degree	C4, C5 Optional				
Cooling	Active liquid cooling				
Operating Temperature Range(°C)	-25~55				
Cycle Life	≥8000 cycle				
Max. Charge/Discharge Rate	0.5 P				
Max. Depth of Discharge	100% (25 ± 2 °C)				
Humidity	0~95% RH (non-condensing)				
Altitude(m)	3000 (Derating above 2000)				
Dimensions (W*D*H mm)	1050*1350*2100				
Weight(KG)	2600				

* Max. PV input voltage is 950V, otherwise inverter will be waiting;

** Max input apparent power means the maximum power imported from the grid used to satisfy the backup loads and charge the battery;