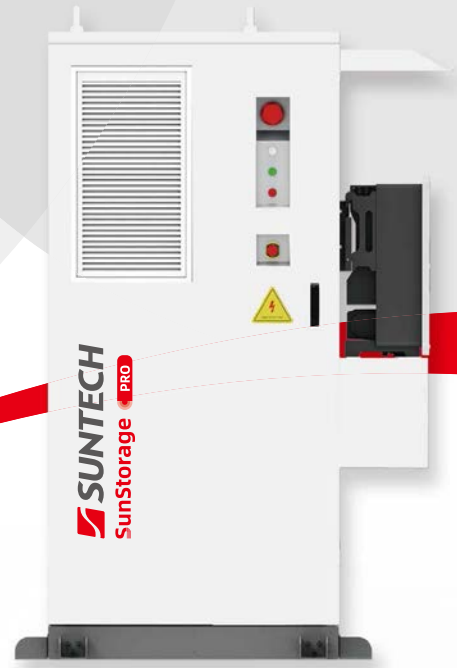


SunStorage PRO

STE-64/80/96/112.5A-25/29.9/30/40/50HT-150

Modular Design

Storage System
for C&I Scenario



Power Adaptability

150 A charge/discharge current supports high-power cycling; 100% three-phase unbalance adapts to diverse loads; 150% backup overload capacity handles surge protection.



Flexible Capacity

With battery capacity ranging from 64 to 112 kWh and AC output power from 25 to 50 kW, the system is scalable to meet a variety of energy needs.



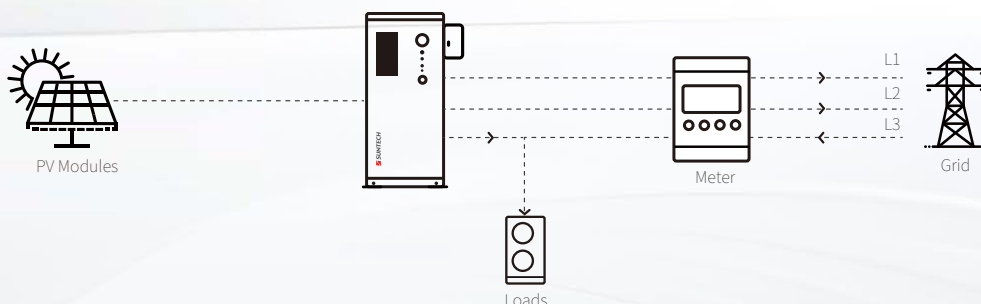
Security Protection

- Four-level fire safety protection
- IP66 for inverter, IP55 for battery cabinet
- Type II SPD on AC&DC side
- C4/C5 Anti-corrosion grade



Intelligent Energy Management

- Remote upgrades maintain system health
- Six work modes for diverse use
- ToU mode support up to 6 sub-modes and up to 24 time periods
- Support dynamic price function



Inverter Models	STE-25HT-150	STE-29.9HT-150	STE-30HT-150	STE-40HT-150	STE-50HT-150
PV Input					
Recommended Max.Input Power(kWp)	40	48	48	64	80
Start-up Voltage(V)	135	135	135	135	135
Max. DC Input Voltage(V)	1000	1000	1000	1000	1000
Rated DC Input Voltage(V)*	620	620	620	620	620
MPPT Voltage Range(V)	200~950	200~950	200~950	200~950	200~950
No. of MPP Trackers*	4	4	4	4	4
No. of DC Inputs per MPPT	2	2	2	2	2
Max. Input Current(A)	40×4	40×4	40×4	40×4	40×4
Max. Short-circuit Current(A)	50×4	50×4	50×4	50×4	50×4
Grid Side					
Rated Output Power(kW)	25	29.9	30	40	50
Max. Output Apparent Power(kVA)	25	29.9	30	40	50
Max. Input Apparent Power(kVA)	50	60	60	80	80
Max. Charging Power of Battery(kW)	25	29.9	30	40	50
Rated AC Voltage(V)	3L/N/PE; 220/380;230/400;240/415				
Rated AC Frequency(Hz)	50/60				
Rated Output Current(A)	37.9/36.2/34.7	45.3/43.3/41.5	45.5/43.5/41.7	60.6/58/55.6	75.8/72.5/69.4
Power Factor	0.8 leading ...0.8 lagging				
Max. Total Harmonic Distorion	< 3% @Rated Output Power				
DCI	< 0.5%In				
Back-up Side					
Rated Output Power(kW)	25	29.9	30	40	50
Max. Output Apparent Power(kVA)	25	29.9	30	40	50
Rated Output Current(A)	37.9/36.2/34.7	45.3/43.3/41.5	45.5/43.5/41.7	60.6/58/55.6	75.8/72.5/69.4
On/Off-grid Switching Time(ms)	< 10				
Rated Output Voltage(V)	3L/N/PE; 220/380;230/400;240/415				
Rated Output Frequency(Hz)	50/60				
Voltage Harmonic Distorion	< 3% @Rated Output Power				
Generator Side					
Max. Input Apparent Power(kVA)	30	36	36	48	60
Max. Charging Power of Battery(kW)	25	29.9	30	40	50
Rated AC Voltage(V)	3L/N/PE; 220/380;230/400;240/415				
Rated AC Frequency(Hz)	50/60				
Max. Input Current(A)	45.5	54.5	54.5	72.7	90.9
Efficiency					
Max. Efficiency	97.60%				
European Efficiency	97.10%				
MPPT Efficiency	99.90%				
Battery Model					
Battery Model	STE-64A-DC	STE-80A-DC	STE-96A-DC	STE-112A-DC	
Cell Type	LiFePO ₄ /314Ah				
Battery Module Quantity	4 Packs	5 Packs	6 Packs	7 Packs	
Battery System Energy(kWh)	64.3	80.3	96.4	112.5	
Depth of Discharge	90%				
Rated Voltage(V)	204.8	256	307.2	358.4	
Operating Voltage Range(V)	166.4~233.6	208~292	249.6~350.4	291.2~408.8	
Max. Charge/Discharge Current(A)	150/150				
Weight(kg)	1101	1214	1327	1440	
General Data					
Dimensions(W×H×D mm)	1376×2262×1140				
Ingress Protection	Cabinet: IP55; Inverter: IP66				
Anti-corrosion Degree	C4 (C5 Optional)				
Topology	Non-isolated				
Noise Level(dB)	< 65				
Operating Temperature Range(°C)	-20~55				
Relative Humidity(%)	5%-95% RH (non-condensing)				
Fire Protection	Aerosol(Optional:Novec1230) / Water				
Altitude(m)	≤3000				
Cooling	Air-conditioner with 2kW Cooling and 2kW Heating				
Display	OLED & LED				
Communication	CAN, RS485				

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