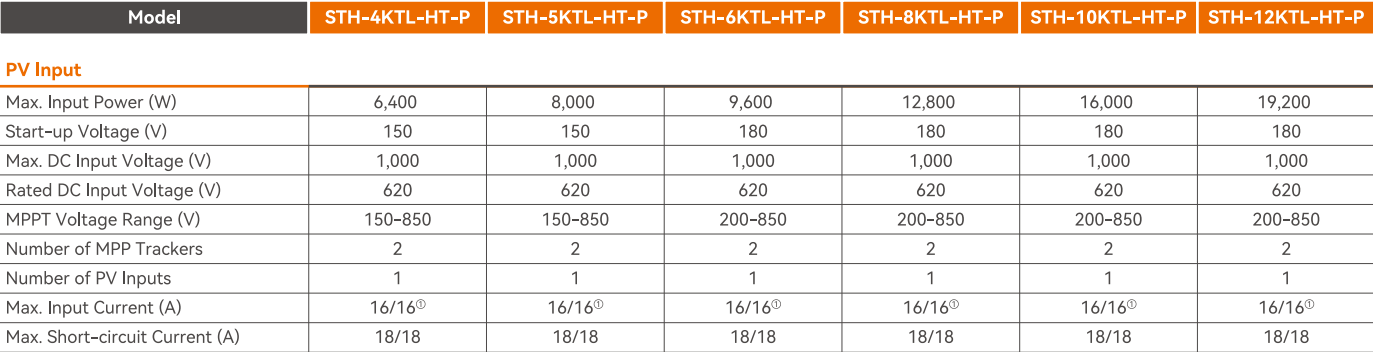




Battery	
Battery Communication Mode	CAN / RS485
Battery Voltage Range (V)	140~750
Max. Charge/Discharge Current (A)	25/25
Rated Current of Built-in Fuse (A)	63

Output (Grid)						
Rated Output Power (W)**	4,000	5,000	6,000	8,000	10,000	12,000
Max. Output Power (W)	4,400	5,500	6,600	8,800	11,000	13,200
Max. Apparent Power (VA)	4,400	5,500	6,600	8,800	11,000	13,200
Max. Input Apparent Power (VA)	8,000 ^②	10,000 ^②	12,000 ^②	16,000 ^②	16,500 ^②	16,500 ^②
Max. Charging Power of Battery (W)	4,000	5,000	6,000	8,000	10,000	12,000
Grid Type**	3L/N/PE, 230/400V					
Rated AC Frequency (Hz)	50/60 45-55/55-65					
Max. Output Current (A)	6.7	8.3	10	13.3	16.5	20
Power Factor	0.8 leading...0.8 lagging					
THDi @ Rated Power	<3%					
DCI	< 0.5%In					

Output (Back-up)						
UPS Switching Time (ms)	< 10					
Grid Type	3L/N/PE, 230/400V					
Rated AC Frequency (Hz)	50/60 45-55/55-65					
Max. Apparent Power (VA)	4,400	5,500	6,600	8,800	11,000	13,200
Peak Output Apparent Power (VA)	4,400 ^③ , 60s	5,500 ^③ , 60s	6,600 ^③ , 60s	8,800 ^③ , 60s	11,000 ^③ , 60s	13,200 ^③ , 60s
Peak Output Apparent Power/per Phase (VA)	1,600 ^③	2,100 ^③	2,600 ^③	3,300 ^③	4,000 ^③	5,000 ^③
THDi @ Rated Power	< 3%					

Efficiency						
Max. Efficiency	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
Euro Efficiency	97.3%	97.3%	97.3%	97.4%	97.4%	97.4%
Max. Battery Charging Conversion Efficiency	97.2%	97.2%	97.2%	97.3%	97.3%	97.3%
Max. Battery Discharge Conversion Efficiency	97.2%	97.2%	97.2%	97.3%	97.3%	97.3%

Protection	
DC Reverse Polarity Protection	Integrated
Battery Input Reverse Connection Protection	Integrated
Insulation Resistance Detection	Integrated
DC Switch	Optional
Surge Protection	Integrated
Over-temperature Protection	Integrated
Residual Current Protection	Integrated
Anti-islanding Protection	Integrated
AC Over-voltage Protection	Integrated
Overload Protection	Integrated
AC Short-circuit Protection	Integrated

General Data	
Dimensions [W*H*D] (mm)	550*410*175
Weight (kg)	26~28
Protection Degree	IP65
Self-consumption at Night (W)	< 15
Topology	Transformerless
Operating Temperature Range (°C)	-30~60
Relative Humidity	0~100%
Operating Altitude (m)	4000 (derating > 3000)
Cooling	Natural Convection
Noise Level (dB)	< 25
Display	OLED & LED
Communication	WiFi / LAN (Optional)

- ① STH-4K~12KTL-HT series maximum input current per string is 16A, products deliver upon the order.
 - ② Max apparent power from the grid means the maximum power imported from the utility grid used to satisfy the backup loads and charge the battery.
 - ③ The output power will exceed the rated value only when the power in the PV array is sufficient, and the duration of the overload is relating to the overload power.
 - ④ Only one of the three phases can reach up to 1.25 times, and the other two phases should be less than 1.1.
- ** Due to differences in voltage values in various countries, minor variations may occur. The final interpretation rights belong to Sunways.**