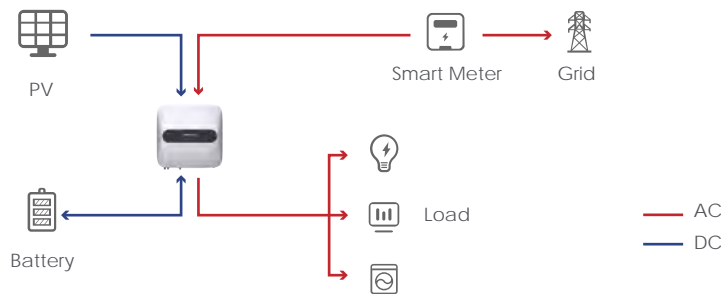




## SMT-10K-TL-TH

- Support solar panel, battery, grid and load four-port interface
- Can be integrated with on-grid and off-grid switching function
- Easy capacity expansion and installation
- Full power output in the off-grid state
- Strong output capability and good load adaptability

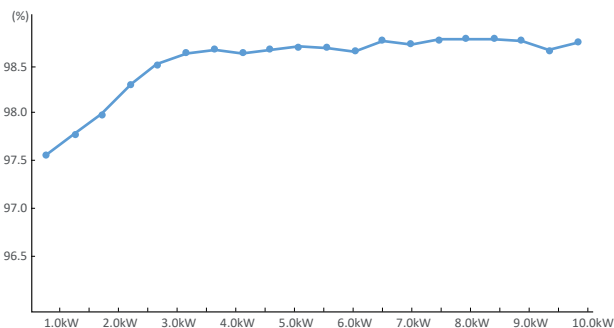
### ► Residential Energy Storage system



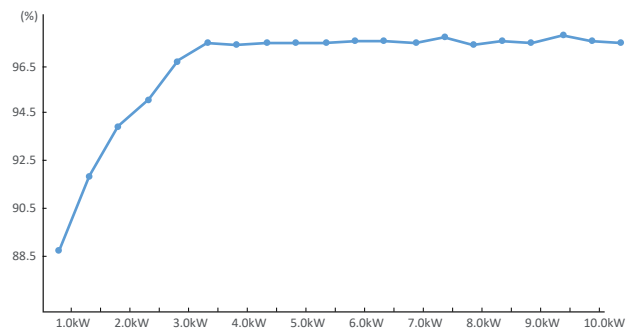
### ► Features

- High efficiency (up to 97.8%)
- Wide PV voltage range, high PV generation energy
- Large charge-discharge current, fast charging and discharging speed
- Multiple working modes settable and customizable (zero export include)
- Free remote monitoring and configuration, build-in WiFi, optional GPRS
- Seamless switching UPS function, larger off-grid output power
- Large MPPT power range, support full unbalance between dual MPPT

- Touch-free operation via APP
- Compact size and lightweight
- Quick and easy remote upgrading and configuration
- Fully integrated high strength aluminum alloy mould and strong impact resistance
- Accurate heat control, guarantee the longer lifespan of inner components
- Comprehensive hardware and software protective functions
- IP65, suitable for both indoor and outdoor application



PV - GRID Efficiency Curve



BAT - GRID Efficiency Curve

Model Type	SMT-10K-TL-TH
<b>PV Input (DC)</b>	
Max. PV power (W)	13000
Max. PV voltage(V)	1000
Rated PV voltage(V)	720
Max. PV input current(A)	11 / 11
MPPT voltage range(V)	200-880
MPPT number	2
<b>Battery Side Data</b>	
Battery voltage range(V)	200-800
Rated battery voltage(V)	500
Max. charge / discharge current(A)	25 / 25
Max. charge / discharge power(W)	10000
<b>Grid AC Data</b>	
Rated AC power(W)	10000
Rated grid voltage(V)	400 / 230; 380 / 220
Rated grid frequency(Hz)	50 / 60
Rated AC current(A)	14.5
Max. AC current(A)	16.7
Power factor	0.8cap...0.8ind
THD(%)	<3
<b>Load Output (With Battery)</b>	
Rated power(W)	10000
Rated AC voltage(V)	400 / 380
Rated frequency(Hz)	50 / 60
Rated current(A)	14.5
Max. AC current(A)	16.7
On/Off Grid Switching Time(ms)	< 20
THD(%)	<3
<b>Efficiency</b>	
MPPT efficiency(%)	99.9
European efficiency(%)	97
Max. efficiency(%)	97.8
Charge/Discharge efficiency(%)	97.6 / 96
<b>Protective Function</b>	
Battery reverse-polarity protection	Yes
Anti-islanding	Yes
Residual Current Protection	Yes
AC Short-circuit Protection	Yes
AC Over Current/Voltage Protection	Yes
Insulation Monitoring	Yes
<b>General Data</b>	
Size (W*H*D) (mm)	548*550*188
Weight(kg)	< 35
Standby consumption(W)	< 25
IP Grade	IP65
Working temperature(°C)	-25~60
Altitude(M)	< 2000
Noise emission(dB)	< 30
Cooling	Natural-cooling
Communication interface	WIFI, GPRS(optional), RS485
Display	LED

\*All illustrations and data may differ from standard product. Subject to change without notice.

