



Three-phase household all-in-one energy storage T2 series

MODEL	SO5KH-T2	SO6KH-T2
Inverter parameters		
Inverter model	SO5KH-T2-INV	SO6KH-T2-INV
Maximum PV input power	7500Wp	9000Wp
Operating voltage range	60-1100V	
MPPT voltage range/ rated voltage input	150-950V	
Starting voltage	180V	
Rated operating voltage	630V	
Number of MPPTs / Number of input strings per route of MPPT	2/1	
Maximum input current per route of MPPT	20A	
Maximum short-circuit current per route of MPPT	30A	
Battery parameters		
Battery model	ESPro5kWh-BAT	
Battery type	LiFePO4	
Maximum charging/discharging current	26/26A	
Total capacity	5.32kWh	10.64kWh
Number of battery packs	1	2
Nominal voltage	102.4V	204.8V
AC output		
Rated output voltage	400V/3L/N/PE	
Rated output power	50Hz/60Hz	
Rated active power	5000W	6000W
Rated apparent power	5000VA	6000VA
Rated power grid output current (@400V)	7.2A	8.7A
Total current harmonic distortion rate	<3%(Nominal power)	
AC input		
Rated power grid voltage	400V/3L/N/PE	
Rated power grid frequency	50Hz/60Hz	
Rated input power	10000W	12000W
Maximum input apparent power	10000VA	12000VA
Maximum input current	14.4A	17.3A
EPS output		
Rated output voltage	3/N/PE,220/380V;230/400V;240/415V	
Rated output frequency	50Hz/60Hz	
Rated apparent power	5000VA	6000VA
Rated current (@400V)	7.2A	8.7A
Maximum switching time	<10ms	
Total voltage harmonic distortion rate (@ linear load)	2%	
General parameters		
Power factor/adjustable range	1/0.8 leading to 0.8 lagging	
Dimension (width/height/depth)	630/202/1036 mm *	630/202/1417 mm **
Weight	≈90.1±0.1kg *	≈139.1±0.1kg **
Operating temperature range	-25°C ... +60°C	
Heat dissipation method	Natural convection	
Protection reference level (refer to IEC 60529)	IP65	
Maximum relative humidity	0-95%	
Maximum working altitude	3000m(>2000m power derating)	
Efficiency		
MPPT efficiency	99.9%	
European efficiency/maximum efficiency	97%/98%	97.5%/98.2%
Security and protection		
Current surge protection (type II, according to EN/IEC 61643-11) ● Insulation resistance test ● Battery input reverse polarity protection ● Residual current detection ● Anti-islanding protection ● All-pole sensitive residual current monitoring device ● Photovoltaic string input reverse polarity protection ● Grounding fault detection ● AC short circuit protection ●		
Features		
User interface	LED&App	Smart ammeter interface
BMS communication	CAN	Internet communication interface
		RS485
		WIFI/LAN/4G
		Digital output (dry contact point)/number of outputs
		/2
		Integrated power control/output power control
		●
		Digital output (dry contact)/ number of inputs
		/4

*Including 1 inverter and 1 battery box, ** including 1 inverter and 2 battery boxes