

MODEL

SWH3000H-S1 | SWH5000H-S1 |

SWH4000H-S1 SWH6000H-S1







Model	SWH3000H-S1	SWH4000H-S1	SWH5000H-S1	SWH6000H-	
PV Input	/===	/000	7700		
Recommended Max. PV Input Power [Wp]	4500	6000	7500	9000	
Max. Input Voltage [V]	ļ		00		
MPPT Voltage Range [V]	80-580				
Rated Voltage [V]	360				
Start-up Voltage [V]			0		
No. of MPPT Trackers	1	2	2	2	
No. of PV Strings per MPPT	1	1/1	1/1	1/1	
Max. Input Current per MPPT [A]	14	14/14	14/14	14/14	
Max. Short Circuit Current per MPPT [A]	18	18/18	18/18	18/18	
AC Output					
Rated Output Power [W]	3000	4000	5000	6000	
Rated Output Current [A]	13.6	18.2	22.7	27.3	
Max. Output Current [A]	15	20	25	30	
Max. Apparent Output Power [VA]	3300	4400	5500	6600	
Rated Output Voltage [V]	220/230/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1(0.8leading~ 0.8lagging)				
THDi (Rated Output Power)		< ;	3%		
AC Input (Grid)					
Max. Apparent Input Power [VA]	6000	8000	10000	12000	
Max. Input Current [A]	27.3	36.4	45.5	54.5	
Rated Output Voltage [V]		220/2	30/240		
Rated Grid Frequency [Hz]	50/60				
Battery					
Battery Module Type		Lithium Iron P	hosphate(LFP)		
Battery Voltage Range [V]	80-450				
Max. Charge/Discharge Current [A]			.5		
Max. Charge Power [W]	4500	6000	7500	9000	
Max Discharge Power [W]	3000	4000	5000	6000	
Battery Communication			RS485		
AC Output (Off-grid)		0/11//	10-100		
Rated Output Power [W]	3000	4000	5000	6000	
Rated Output Voltage [V]	3000			0000	
Rated Output Voltage [V] Rated Output Frequency [Hz]	220/230/240 50/60				
Rated Output Frequency [112]	13.6	18.2		27.3	
	13.0		22.7	27.3	
THDU (Rated Output Power, R Load)	< 3% 10				
Switch Time [ms]	/500 /0			7500 (0	
Peak Apparent Power , Duration [VA, s]	4500,60	6000,60	7500,60	7500,60	
Efficiency			004		
Max. Efficiency	97.8%				
EU Efficiency	97% 98.5%@Charge/97.0%@Discharge				
Battery Charged/Discharged to AC Max. Efficiency		98.5%@Charge/9	77.0%@Discharge		
Protection					
DC Switch	Integrated				
Insulation Resistance Detection	Integrated				
Input Reverse Polarity Protection	Integrated				
Anti-island Protection	Integrated				
Residual Current Monitoring	Integrated				
Overtemperature Protection	Integrated				
DC Surge Protection	Integrated (Type II)				
AC Surge Protection	Integrated (Type II)				
General Data					
Dimensions (W*H*D) [mm]		536*4	44*173		
Weight [kg]	18.5				
Display	LCD/WEB/APP				
Communication	·····	WIFI/RS485/LAN			
Operating Temperature Range [°C]	-25~+60; if>45° C, Power Reduction Needed				
Relative Humidity					
	0%~100%, Non-condensing				
Operation Altitude [m]	0~4000, if ≥ 2000, Power Reduction Needed				
Self Consumption (night) [W]		< 8			
Topology		Transformerless			
Cooling Concept	Natural Cooling				
Protection level	IP66				
	< 30dB				