

SWH 8/10/12 kW

Single-phase Hybrid Inverter (Low Voltage)



MODEL

SWH008KL-S1-SR | SWH010KL-S1-SR
SWH012KL-S1-SR



Efficiency Up to 22A*2 PV input current



Outputs high-quality pure sine wave AC power



With IP65 protection degree



Up to 200A charging current



Time-slot function to save cost with peak-valley

Model	SWH008KL-S1-SR	SWH010KL-S1-SR	SWH012KL-S1-SR
Inverter Output			
Rated Output Power [W]	8800	10000	12000
Max. Peak Power [VA]	17600	20000	24000
Rated Output Voltage [Vac]	220/230/240 single-phase / three-phase (parallel)		
Load Capacity of Motors	5HP	6HP	
Output Frequency Range [Hz]	50 ± 0.3/60 ± 0.3		
Number of Parallel	1-6 units		
AC Output (Grid)			
Rated Output Power [W]	8800	10000	12000
Max. Apparent Power [VA]	8800	10000	12000
Max. Output Current [A]	40	45.5	54.5
Rated Output Voltage [Vac]	220/230/240		
THDI	< 3%		
Power Factor	0.8 leading to 0.8 lagging		
Frequency [Hz]	50/60		
Battery			
Battery Type	Lead-acid / Li-ion / User-defined		
Rated Battery Voltage [V]	48		
Battery Voltage Range [Vdc]	40-60		
Max. Generator Charging Current [A]	60		
Max. Grid Charging Current [A]	120		
Max. PV Charging Current [A]	200		
Max. Hybrid Charging Current [A]	200		
PV Input			
Num. of MPPT Trackers	2		
Max. PV Array Power [W]	5500+5500		6600+6600
Max. Input Current [A]	22+22		
Max. Voltage of Open Circuit [Vdc]	500+500		
MPPT Operating Voltage Range [Vdc]	125-425		
Mains/Generator Input			
Input Voltage Range [Vac]	90-280		
Frequency Range [Hz]	50/60		
Bypass Overload Current [A]	63		
Efficiency			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
European Efficiency	97.0%		
General			
Dimension (W*H*D) [mm]	440*670*240		
Weight [Kg]	37		
Protection Degree	IP65		
Operating Temperature Range	-25-60°C (>45°C derating)		
Humidity Range	0%-100%		
Cooling Method	Forced air cooling		
Communication			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		
External Module (optional)	Wi-Fi / GPRS		
Certification			
Safety	IEC62109-1, IEC62109-2		
EMC	EN61000-6-1, EN61000-6-3, FCC15 classB		
RoHS	Yes		