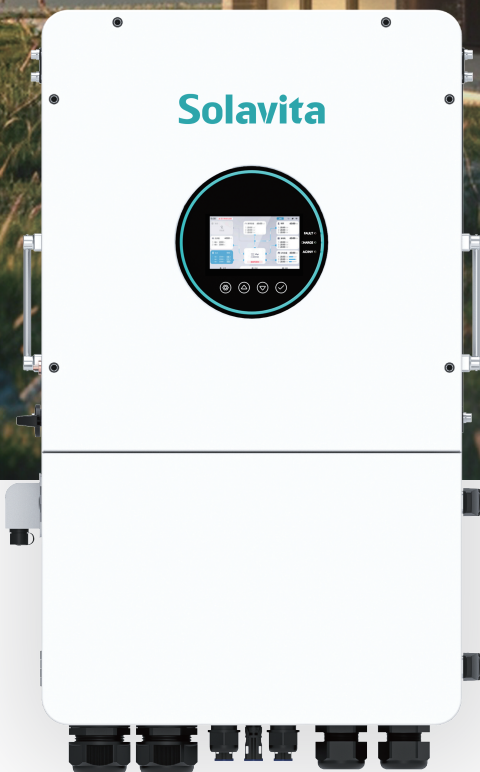











# SWH 16/18/20kW

Three-Phase Hybrid Solar Storage Inverter (Low Voltage)



## MODEL

SWH016KL-T1-SR | SWH018KL-T1-SR  
SWH020KL-T1-SR

-  Compatible with 48V storage batteries
-  3 efficient, independent MPPT ports
-  Up to 9 units can be connected in parallel
-  Capable of 150% unbalanced load output for single phase loads
-  Upgrades and transforms existing solar systems with the AC coupling function
-  Separate generator port
-  Support three-phase pure sine wave output
-  Support time-slot function for peak-valley
-  IP65 waterproof protection degree

MODEL	SWH016KL-T1-SR	SWH018KL-T1-SR	SWH020KL-T1-SR
<b>AC Output</b>			
Rated Output Power	16000W	18000W	20000W
Max. Output Power	17600W	19800W	22000W
Max. Peak Power	32000VA	36000VA	40000VA
Rated Output Voltage	220/380VAC three-Phase, 230/400VAC three-Phase		
Motor Load Capacity	8HP	9HP	10HP
Rated Frequency	50/60Hz ±0.3Hz		
Switching Time	10ms (typical)		
<b>Battery</b>			
Battery Type	Lead-acid or Lithium-ion		
No. of Battery Input Ports	2		
Rated Battery Voltage	48V		
Battery Voltage Range	40 ~ 60Vdc		
Max. Grid/Generator Charging Current	300Adc	330Adc	350Adc
Max. Hybrid Charging Current	300Adc	330Adc	350Adc
Max. Discharge Current	300Adc	330Adc	350Adc
<b>PV Input</b>			
No. of MPPT Trackers	3		
No. of Strings MPP Tracker	1+1+1		
Max. PV Input Power	24000W	27000W	30000W
Max. PV Input Current	26A+26A+26A		
Max. Short-Circuit Current	45A+45A+45A		
Max. Open Circuit Voltage	1000V		
Start-up Voltage	150V		
MPPT Operating Voltage Range	160 ~ 850V		
Rated PV Input Voltage	600V		
<b>Grid/Generator Input</b>			
Input Voltage Range	Phase voltage 170~280V, Line voltage 295~485Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	70Aac		
<b>Efficiency</b>			
MPPT Tracking Efficiency	>99%		
Max. Efficiency	97.6%		
European Efficiency	97%		
<b>General Data</b>			
Parallel Capacity	1 ~ 9 Units		
Cabinet Size	470*800*290mm		
Weight (kg)	60kg		
Protection Degree	IP65		
Operating Temperature	-40 to +60°C, >45°C Derating		
External Module (Optional)	GPRS/WIFI/4G		
Surge Protection	DC type II/AC type II		
Certificate	/		
Humidity	0 ~ 100%		
Type of Cooling	Heat sink + intelligent fan cooling		
Warranty	5 years		
Communication	RS485/CAN/USB/Dry Contact		
Topology	Non-Isolated		
Overvoltage Protection Category	DC type II/AC type II		
<b>Equipment Protection</b>			
PV Lightning Protection, PV Reverse Polarity Protection, Anti - islanding Protection, Insulation Resistance Detection (ISO), Ground Fault Current Interrupter Detection (GFCI), AC Output Over - current Protection, Inverter Output Short - circuit Protection, Over - temperature Protection, RSD (Rapid Shutdown Device) Quick Shutdown, DC Arc Fault Circuit Interrupter Protection (AFCI), DC Input Switch Protection.			