



LP Three-Phase IP65 Range



DATASHEET

SS-6kW-LLKS-HYB-3P-IP65-01
SS-8kW-LLKS-HYB-3P-IP65-02
SS-10kW-LLKS-HYB-3P-IP65-03
SS-12kW-LLKS-HYB-3P-IP65-04

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Product Parameters

Note

Specifications, approvals and certification are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.

Model	SS-6kW-LLKS-HYB-3P-IP65-01	SS-8kW-LLKS-HYB-3P-IP65-02	SS-10kW-LLKS-HYB-3P-IP65-03	SS-12kW-LLKS-HYB-3P-IP65-04
Battery Input Parameters				
Supported Battery Type	LiFePO4 or Lead-Acid			
Battery Input Voltage Range	40~60V			
Max. Charge Voltage	60V (Configurable)			
Max. Charge Current	120A (Configurable)	150A (Configurable)	180A (Configurable)	220A (Configurable)
Max. Discharge Current	130A (Configurable)	180A (Configurable)	220A (Configurable)	260A (Configurable)
Battery Capacity (Recommended)	100~2000Ah			
Charge for LiFePO4 Battery Pack	Communicating with BMS of the Battery Pack			
PV String Input Parameters				
Max. DC Input Power	9000W	12000W	15000W	18000W
DC Input Voltage	800V			
MPPT Voltage Range	200~650V			
Start-Up Voltage	180V			
Max. Input Current	18A x 2 = 36A (2 MPPT Channels)	23A x 2 = 46A (2 MPPT Channels)	28A x 2 = 56A (2 MPPT Channels)	
AC Output Parameters (Back-Up)(Feed to Essential Load)				
Max. Output Power	6000W	8000W	10000W	12000W
Max. Output Apparent Power	6000VA	8000VA	10000VA	12000VA
Peak Output Apparent Power	1200VA	16000VA	20000VA	24000VA
Max. Output Current (Each of Three-Phase)	16A	18A	23A	25A
Nominal Output Voltage	3L/N/PE 220V/380V 3L/N/PE 230V/400V			
Nominal Output Frequency	50/60Hz (+/-0.2%) (Configurable)			
Max. Bypass Current	40A	42A	63A	
Shift Time (Bypass and Inverter)	10ms			
Output THDv (Resistor Load)	<3%			

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AC Input Parameter (On-Grid)(Bypass to Essential Load & Charge the Battery/Feed to Home Load)				
Max. Input Power (Bypass to Essential Load/Charge the Battery)	6000W	8000W	10000W	12000W
Max. Output Power (Feed to Home Load)	6000W	8000W	10000W	12000W
Max. Apparent Input Power (Bypass to Essential Load/Charge the Battery)	6000VA	8000VA	10000VA	12000VA
Max. Apparent Output Power (Feed to Home Load)	6000VA	8000VA	10000VA	12000VA
Nominal Input/Output Voltage	3L/N/PE 220V/380V 3L/N/PE 230V/400V			
Nominal Input/Output Frequency	50/60Hz (Auto Adjusted to Fit Home Grid)			
Max. Bypass Current	40A	42A	63A	
Shift Time (Bypass and Inverter)	10ms			
Efficiency				
Max. Efficiency	97.6%			
Max. Battery to Load Efficiency	94.0%			
Europe Efficiency	97.6%			
MPPT Efficiency	99.9%			
Protection				
Integrated	Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Overload Protection, Output Short Circuit Protection, Output Over-Voltage Protection			
Compliances				
EMC/Safety Regulation	Approvals and certifications are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.			
General Information				
Operating Temperature Range	-20°C ~ +50°C (>35°C Derating)			
Protection Degree	IP65			
Dimension	550x535x235mm		620x585x225mm	
Weight	27kg		42kg	



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