



Lynks Range



DATASHEET

SM3.6kWLLL/SM3.6kWPLL
SM6.0kWLLL/SM6.0kWPLL
SM8.0kWLLL/SM8.0kWPLL

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Model	SM(X.X)kWLLL / SM(X.X)kWPLL		
	3.6	6.0	8.0
Battery Input Parameters			
Supported Battery Type	LiFePO4 or Lead-Acid		
Battery Input Voltage Range	40~60V		
Max. Charge Voltage	60V (Configurable)		
Max. Charge Current	60A (Configurable)	120A (Configurable)	150A (Configurable)
Max. Discharge Current	80A (Configurable)	130A (Configurable)	180A (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	5000W	8000W	10000W
DC Input Voltage	500V		
MPPT Voltage Range	120~450V		
Start-Up Voltage	150V		
Max. Input Current	15A (1 MPPT Channel)	15A x 2 = 30A (2 MPPT Channels)	23A x 2 = 46A (2 MPPT Channels)
AC Output Parameters (Back-Up)(Feed to Essential Load)			
Max. Output Power	3600W	6000W	8000W
Max. Output Apparent Power	3600VA	6000VA	8000VA
Peak Output Apparent Power	7200VA	12000VA	16000VA
Max. Output Current	16A	26A	36A
Nominal Output Voltage	220/230/240Vac Single-Phase (Configurable)		
Nominal Output Frequency	50/60Hz (+/-0.2%) (Configurable)		
Max. Bypass Current	40A		42A
Shift Time (Bypass and Inverter)	10ms		
Output THDv (Resistor Load)	<3%		
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)	3600W	6000W	8000W
Max. Output Power (Feed to Home Load)	3600W	6000W	8000W
Max. Apparent Input Power (Bypass to Essential Load/Charge the Battery)	3600VA	6000VA	8000VA

Model	SM(X.X)kWLLL / SM(X.X)kWPLL		
	3.6	6.0	8.0
AC Input Parameter (On-Grid)(Bypass to Essential Load & Charge the Battery/Feed to Home Load)			
Max. Apparent Output Power (Feed to Home Load)	3600VA	6000VA	8000VA
Nominal Input/Output Voltage	220/230/240Vac Single-Phase (Auto Adjusted to Fit Home Grid)		
Nominal Input/Output Frequency	50/60Hz (Auto Adjusted to Fit Home Grid)		
Max. Bypass Current	40A		42A
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	IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC 61727, IEC 62116, IEC 61683, IEC 60068		
General Information			
Operating Temperature Range	-20°C ~ +50°C (>35°C Derating)		
Protection Degree	IP41		
Dimension	450x403x141mm	514x420x140mm	570x525x140mm
Weight	10.5kg	16.1kg	24.5kg



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