



SUNSYNK MAX



DATASHEET

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Model	SUNSYNK MAX
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range	43~60V
Max. Charge Current	300A
Max. Discharge Current	300A
Charging Curve	3 Stages/Equalisation
External Temperature Sensor	Yes
Charging Strategy for Li-Ion Battery	Self-Adaptation to BMS
PV String Input Data	
Max. DC Input Power	18000W
Max PV Input Voltage	450V
MPPT Range	250V~450V
Start-up Voltage	150V
PV Input Current	26A + 26A + 26A
Max. PV Isc	26A + 26A + 26A
No. of MPPT / Strings Per MPPT	3 / 2
AC Output Data	
Max. On-Grid AC Power	16000W
Max. Off-Grid AC Power	13000W
Peak Power (off-grid)	2 times of rated power, 10 S
AC Output Rated Current	65A
Max AC Current	70A
Max Continuous AC Passthrough	150A
Bypass Current	150A
Frequency Range	45Hz ~55Hz
Voltage Range	211V ~ 264V
Grid Type	Single-Phase
Current Harmonic Distortion	THD<3%(Linear load<1.5%)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Protection	
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Surge protection, DC Battery Current Protection
Certifications and Standards	
Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699:2011, XP C15-712-3:2019-05
Safety EMC / Standard	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3

General Data	
Operating Temperature Range	-25~55°C
Cooling	Fan
Noise	<30dB
Communication with BMS	RS485; CAN
Weight	34.5kg
Size	422W×702H×281D mm
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years



CONTACT US

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