

SUN  SYNK<sup>®</sup>

# SUNSYNK MAX



## DATASHEET

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**Please refrain for  
future reference**

Model	SUNSYNK MAX
<b>Battery Input Data</b>	
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
<b>PV String Input Data</b>	
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
<b>AC Output Data</b>	
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%)
<b>Efficiency</b>	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
<b>Protection</b>	
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
<b>Certifications and Standards</b>	
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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