

SUN SYNK

THREE-PHASE HYBRID INVERTER



DATASHEET

SUN-8K-SG04LP3 / SUN-10K-SG04LP3 / SUN-12K-SG04LP3

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TECHNICAL SPECIFICATIONS

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Model No.	SUNSYNK-8K-SG04LP3
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-45°C ~ 60°C (>45°C derating)
Protection Level	Class I
Charge Mode	
Battery Voltage	48V (40V~60V)
Battery Current	190A (max.)
AC Input Voltage	3L/N/PE 220/380, 230/400V
AC Input Frequency	50/60Hz
AC Input Rated Current	12.1A
Max. AC Input Current	18.2A (max.)
Max. AC Input Power	8800W
Max. Apparent Output Power	8800VA
PV Input Voltage	440V (160V~800V)
MPPT Input Voltage	200 V ~ 650V
PV Input Current	13A + 13A
Max. PV Input Power	10400W
Max. PV Isc	17A + 17A
Utility-Interactive	
AC Output Voltage	3L/N/PE 220/380, 230/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	12.1A
Max. AC Output Current	18.2A (max.)
Max. AC Output Power	8800W
AC Output Rated Power	8000W
AC Output Power Factor	0.8 leading to 0.8 lagging
Max. AC Isc	75A
Battery Discharge Voltage	40V~60V
Battery Discharge Current	190A (max.)
Battery Discharge Power	8000W
Stand Alone	
AC Output Voltage	3L/N/PE 220/380, 230/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	12.1A
AC Output Rated Power	8000W
Max. Continuous AC	45A
Battery Discharge Voltage	40V~60V
Max. Discharge Current	190A (max.)
Compliance	C10-11, CEI 0-21, VDE-AR-N 4105, NRS 076, IEC 62116, IEC 61727, G99, G98, RD 1699, VDE 0126-1-1, IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

TECHNICAL SPECIFICATIONS

Model No.	SUNSYNK-10K-SG04LP3
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-45°C ~ 60°C (>45°C derating)
Protection Level	Class I
Charge Mode	
Battery Voltage	48V (40V~60V)
Battery Current	210A (max.)
AC Input Voltage	380/400V
AC Input Frequency	50/60Hz
AC Input Rated Current	15A
Max. AC Input Current	23A (max.)
Max. AC Input Power	11000W
PV Input Voltage	550V (150V~800V)
MPPT Input Voltage	200 V ~ 625V
PV Input Current	26A + 13A
Max. PV Input Power	13000W
Max. PV Isc	30A + 15A
On-Grid Mode	
AC Output Voltage	380/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	15A
Max. AC Output Current	23A (max.)
Max. AC Output Power	11000W
AC Output Rated Power	10000W
AC Output Power Factor	0.8 leading to 0.8 lagging
Max. AC Isc	75A
Battery Discharge Voltage	40V~60V
Battery Discharge Current	210A (max.)
Battery Discharge Power	10000W
Off-Grid Mode	
AC Output Voltage	380/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	15A
AC Output Rated Power	10000W
Max. Continuous AC	48A
Peak Output Power	20000W (10 seconds)
Battery Discharge Voltage	40V~60V
Max. Discharge Current	210A (max.)
Compliance	IEC61727, IEC62116, IEC600068, IEC61683, IEC/EN62109-1/2

TECHNICAL SPECIFICATIONS

Model No.	SUNSYNK-12K-SG04LP3
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-45°C ~ 60°C (>45°C derating)
Protection Level	Class I
Charge Mode	
Battery Voltage	48V (40V~60V)
Battery Current	240A (max.)
AC Input Voltage	380/400V
AC Input Frequency	50/60Hz
AC Input Rated Current	18A
Max. AC Input Current	27 (max.)
Max. AC Input Power	13200W
PV Input Voltage	550V (150V~800V)
MPPT Input Voltage	200 V ~ 625V
PV Input Current	26A + 13A
Max. PV Input Power	15600W
Max. PV Isc	34A + 17A
On-Grid Mode	
AC Output Voltage	380/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	18A
Max. AC Output Current	27A (max.)
Max. AC Output Power	13200W
AC Output Rated Power	12000W
AC Output Power Factor	0.8 leading to 0.8 lagging
Max. AC Isc	75A
Battery Discharge Voltage	40V~60V
Battery Discharge Current	240A (max.)
Battery Discharge Power	12000W
Off-Grid Mode	
AC Output Voltage	380/400V
AC Output Frequency	50/60Hz
AC Output Rated Current	18A
AC Output Rated Power	12000W
Max. Continuous AC	48A
Peak Output Power	24000W (10 seconds)
Battery Discharge Voltage	40V~60V
Max. Discharge Current	240A (max.)
Compliance	IEC61727, IEC62116, IEC600068, IEC61683, IEC/EN62109-1/2

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