



HYBRID PARITY (SUPER) INVERTER



DATASHEET

SUNSYNK-8K-SG01LP1 / SUNSYNK-8K-SG03LP1

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Model	SUNSYNK-8K-SG01LP1 / SUNSYNK-8K-SG03LP1
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-45°C ~ 60°C (>45°C derating)
Protection Level	Class I
Charge Mode	
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current	190Ad.c (max.)
AC Input Voltage	L/N/PE 220/230Va.c
AC Input Frequency	50/60Hz
AC Input Rated Current	36.4Aa.c
Max. AC Input Current	40Aa.c (max.)
Max. AC Input Power	8800W
Max. Apparent Output Power	8800VA
PV Input Voltage	370Vd.c (125Vd.c ~ 500Vd.c)
MPPT Input Voltage	150Vd.c ~ 425Vd.c
PV Input Current	22Ad.c + 22Ad.c
Max. PV Input Power	10400W
Max. PV Isc	28Ad.c + 28Ad.c
Utility-Interactive	
AC Output Voltage	L/N/PE 220/230Va.c
AC Output Frequency	50/60Hz
AC Output Rated Current	36.4Aa.c
Max. AC Output Current	40Aa.c (max.)
Max. AC Output Power	8800W
AC Output Rated Power	8800VA
AC Output Power Factor	0.95 leading to 0.95 lagging
Max. AC Isc	145Aa.c
Battery Discharge Voltage	40Vd.c ~ 60Vd.c
Battery Discharge Current	190Ad.c (max.)
Battery Discharge Power	8000W
Stand Alone	
AC Output Voltage	L/N/PE 220/230Va.c
AC Output Frequency	50/60Hz
AC Output Rated Current	36.4Aa.c
AC Output Rated Power	8800W
Max. Continuous AC Pass-through Current	50Aa.c
Peak Output Power	16000W (10 seconds)
Battery Discharge Voltage	40Vd.c ~ 60Vd.c
Max. Discharge Current	190A (max.)
Compliance	VDE-AR-N 4105:1028-11; DIN VDE V 0124-100:2020-06; IEC/EN62109-1/2:2010; IEC/EN62109-1/2:2011



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