

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