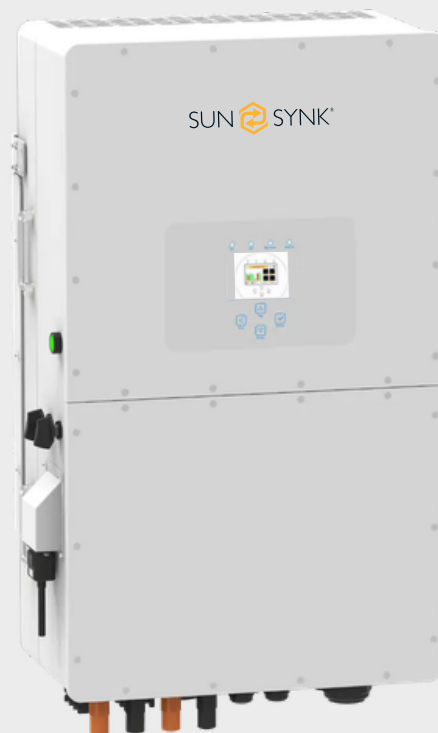




SUN  SYNK®

THREE-PHASE HYBRID INVERTER



DATASHEET

SUN-25K-SG01HP3-EU-BM2 / SUN-30K-SG01HP3-EU-BM3
SUN-40K-SG01HP3-EU-BM4 / SUN-50K-SG01HP3-EU-BM4

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Model	SUN-25K-SG01HP3-EU-BM2	SUN-30K-SG01HP3-EU-BM3	SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-EU-BM4
Battery Input Data				
Battery Type	Li-Ion			
Max. Charging Current	50A+50A			
Max. Discharging Current	50A+50A			
Number of battery input	2			
Charging Strategy for Li-Ion Battery	Self-adaption to BMS			
PV String Input Data				
Max. DC Input Power	32500W	39000W	52000W	65000W
Max. DC Input Voltage	1000V			
Start-up Voltage	180V			
MPPT Range	150-850V			
Full Load DC Voltage Range	450-850V	360-850V	360-850V	450-850V
Rated DC Input Voltage	600V			
PV Input Current	36+36A	36+36+36A	36+36+36+36A	
Max. PV Isc	55+55A	55+55+55A	55+55+55+55A	
No. Of MPPT Trackers	2	3	4	
No. Of Strings Per MPPT Tracker	2+2	2+2+2	2+2+2+2	
AC Output Data				
Rated AC Output and UPS Power				
Max. AC Output Power	25000W	30000W	40000W	50000W
Peak Power(off grid)	27500W	33000W	44000W	55000W
AC Output Rated Current	1.5 time of rated power, 10 S			
Max. AC Current	37.9/36.3A	45.5/43.5A	60.7/58.0A	75.8/72.5A
Max. Continuous AC Pass through	50A	60A	70A	83.3A
Generator input/Smart load	150A			
/AC couple current	37.9/150	45.5/150	60.7/150	75.8/150
Power Factor	/37.9A	/45.5A	/60.7A	/75.8A
Output Frequency and Voltage	0.8 leading to 0.8 lagging			
Grid Type	50/60Hz; 3L/N/PE 220/380, 230/400Vac			
DC injection current (mA)	Three Phase			
Efficiency	<0.5%1n			
Max. Efficiency				
Euro Efficiency	97.60%			
MPPT Efficiency	97.00%			
Protection	>99%			
PV Input Lightning Protection				
Anti-islanding Protection	Integrated			
PV String Input Reverse Polarity Protection	Integrated			
Insulation Resistor Detection	Integrated			
Residual Current Monitoring Unit	Integrated			
Output Over Current Protection	Integrated			
Output Shorted Protection	Integrated			
Output Over Voltage Protection	Integrated			
Battery Over Current Protection	Integrated			
	DC Type II / AC Type III			
	Fuses			



Model	SUN-25K- SG01HP3-EU- BM2	SUN-30K- SG01HP3-EU- BM3	SUN-40K- SG01HP3-EU- BM4	SUN-50K- SG01HP3-EU- BM4
Certifications and Standards				
Grid Regulation	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI 0 21,EN50549-1, G98,G99,C10-11,UNE217002,NBR16149/NBR16150			
EMC/Safety Regulation	IEC62109-1/-2, NBT32004-2018, EN61000-6-1,EN61000-6-2, EN61000-6-3, EN61000-6-4			
General Data				
Operating Temperature Range(°C)	-40~60 °C, >45 °C Derating			
Cooling	Intelligent air cooling			
Noise(dB)	≤45 dB			
Communication with BMS	RS485; CAN			
Weight(kg)	75			
Size(mm)	527W×894H×294D			
Protection Degree	IP65			
Installation Style	Wall-mounted			
Warranty	5 years			





CONTACT US

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