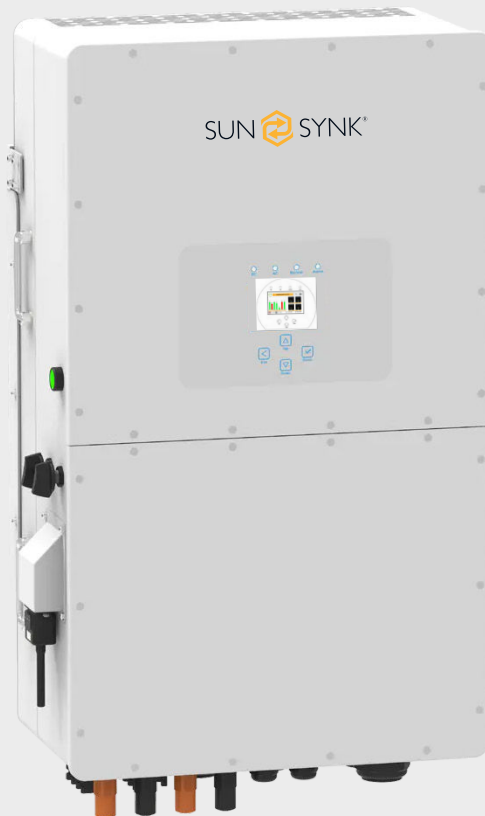




# THREE-PHASE HYBRID INVERTER



## DATASHEET

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

Global Tech China Ltd, 3 Floor, Wai Yip Industrial Building,  
171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong.

Tel: +852 2884 4318 Fax: +8522884 4816

[www.sunsynk.com](http://www.sunsynk.com) / [sales@sunsynk.com](mailto:sales@sunsynk.com)

Model	SUN-25K- SG01HP3-EU- BM2	SUN-30K- SG01HP3-EU- BM3	SUN-40K- SG01HP3-EU- BM4	SUN-50K- SG01HP3-EU- BM4
<b>Battery Input Data</b>				
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			
<b>PV String Input Data</b>				
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	
<b>AC Output Data</b>				
Rated AC Output and UPS Power	25000W	30000W	40000W	50000W
Max. AC Output Power	27500W	33000W	44000W	55000W
Peak Power(off grid)	1.5 time of rated power, 10 S			
AC Output Rated Current	37.9/36.3A	45.5/43.5A	60.7/58.0A	75.8/72.5A
Max. AC Current	50A	60A	70A	83.3A
Max. Continuous AC Pass through	150A			
Generator input/Smart load	37.9/150	45.5/150	60.7/150	75.8/150
/AC couple current	/37.9A	/45.5A	/60.7A	/75.8A
Power Factor	0.8 leading to 0.8 lagging			
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac			
Grid Type	Three Phase			
DC injection current (mA)	<0.5%1n			
<b>Efficiency</b>				
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	>99%			
<b>Protection</b>				
PV Input Lightning Protection	Integrated			
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	DC Type II / AC Type III			
Battery Over Current Protection	Fuses			

Model	SUN-25K-SG01HP3-EU-BM2	SUN-30K-SG01HP3-EU-BM3	SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-EU-BM4
<b>Certifications and Standards</b>				
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			
<b>General Data</b>				
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

Email us: [sales@sunsynk.com](mailto:sales@sunsynk.com) Call us UK: +44 151 8324300

VAT Number: 175669460

UK Address: Sunsynk, 17 Turnstone business park,  
Mulberry Avenue. Widnes, Cheshire, WA8 0WN.

GlobalTech Ltd



Powered by  
SUN SYNK