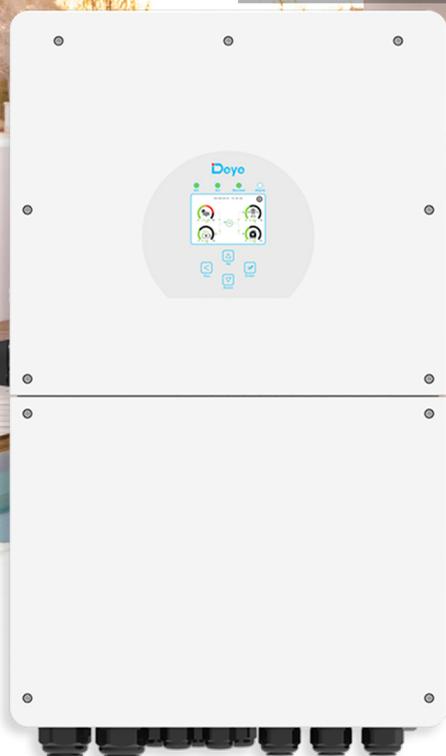


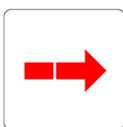
# Low Voltage Hybrid Inverter SUN-5~8K-SG04LP3-EU

## ALL TIME BEST SELLER

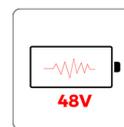
This hybrid inverter meets the need of small-scale industrial and commercial energy storage scenarios. It can switch automatically between on and off grid within 4ms, ensuring uninterrupted power supply for critical load. The intelligent AC coupling easily upgrades the existing grid-tied system.



Max. Charging/Discharging  
Current 240A



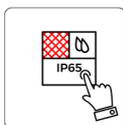
100% Unbalanced  
Output



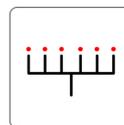
48V Low Voltage  
Battery, Transformer  
Isolation Design



DC & AC Couple to  
Retrofit Existing  
Solar System



Touchable LCD,  
IP65 Waterproof



Max. 16 PCs Parallel  
for On/Off-grid  
Operation

Model	SUN-5K-SG04LP3-EU	SUN-6K-SG04LP3-EU	SUN-8K-SG04LP3-EU
<b>Battery Input</b>			
Battery Type	Lead-Acid or Li-Ion		
Battery Voltage Range	40-60V		
Max. Charging Current	120A	150A	190A
Max. Discharging Current	120A	150A	190A
External Temperature Sensor	Yes		
Charging Curve	3 Stages / Equalization		
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS		
<b>PV Input</b>			
Max. DC Input Power	6500W	7800W	10400W
Rated PV Input Voltage	550V (160-800V)		
Start-up Voltage	160V		
MPPT Voltage Range	200-650V		
Full Load DC Voltage Range	350-650V		
PV Input Current	13A+13A		
Max. PV ISC	17A+17A		
Number of MPPT / Strings per MPPT	2 / 1+1		
<b>AC Output</b>			
Rated AC Output and UPS Power	5000W	6000W	8000W
Max. AC Output Power	5500W	6600W	8800W
AC Output Rated Current	7.6A	9.1A	12.1A
Max. AC Current	11.4A	13.6A	18.2A
Max. Continuous AC Passthrough	45A		
Peak Power (Off-Grid)	2 Time of Rated Power, 10 S		
Power Factor	0.8 Leading to 0.8 Lagging		
Output Frequency and Voltage	50/60Hz; 3 L/N/PE 220/380, 230/400Vac		
Grid Type	Three Phase		
DC Injection Current (mA)	THD<3% (Linear load<1.5%)		
<b>Efficiency</b>			
Max. Efficiency	97.60%		
Euro Efficiency	97.00%		
MPPT Efficiency	99.90%		
<b>General</b>			
Operating Temperature Range	-45-60°C, >45°C Derating		
Cooling	Natural Convection		
Noise	<45 dB		
Communication with BMS	RS485; CAN		
Weight	33.6KG		
Size (W x H x D)	422 x 699.3 x 279 mm		
Protection Degree	IP65		
Installation Type	Wall-Mounted		
Warranty	5 Years		
<b>Certifications and Standards</b>			
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
<b>Certifications and Standards</b>			
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Surge protection		
<b>Note: Specifications are subject to change without advance notice.</b>			