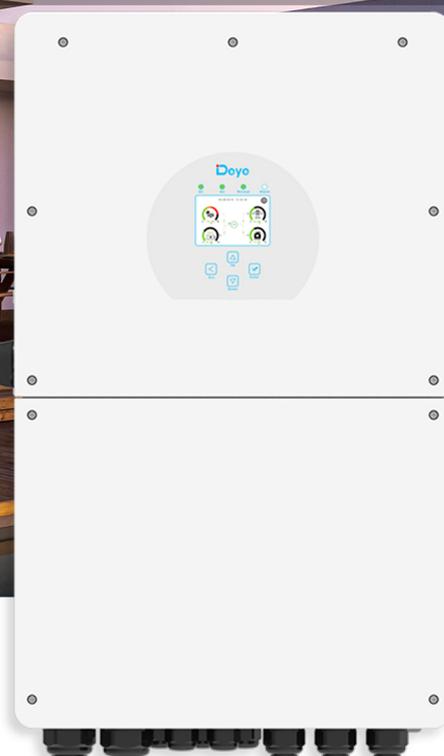


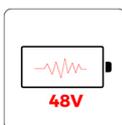
Low Voltage Hybrid Inverter SUN-10~12K-SG04LP3-EU

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



48V Low Voltage
Battery, Transformer
Isolation Design



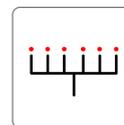
6 Time Periods for
Battery
Charging/Discharging



DC & AC Couple to
Retrofit Existing
Solar System



Touchable LCD,
IP65 Waterproof



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

Hybrid Series

Model	SUN-10K-SG04LP3-EU	SUN-12K-SG04LP3-EU
Battery Input		
Battery Type	Lead-Acid or Li-Ion	
Battery Voltage Range	40-60V	
Max. Charging Current	210A	240A
Max. Discharging Current	210A	240A
External Temperature Sensor	Yes	
Charging Curve	3 Stages / Equalization	
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS	
PV Input		
Max. DC Input Power	13000W	15600W
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	26A+13A	
Max. PV ISC	34A+17A	
Number of MPPT / Strings per MPPT	2 / 2+1	
AC Output		
Rated AC Output and UPS Power	10000W	12000W
Max. AC Output Power	11000W	13200W
AC Output Rated Current	15.2A	18.2A
Max. AC Current	22.7A	27.3A
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%)	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	
General		
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	
Certifications and Standards		
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	
Certifications and Standards		
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	
Note: Specifications are subject to change without advance notice.		