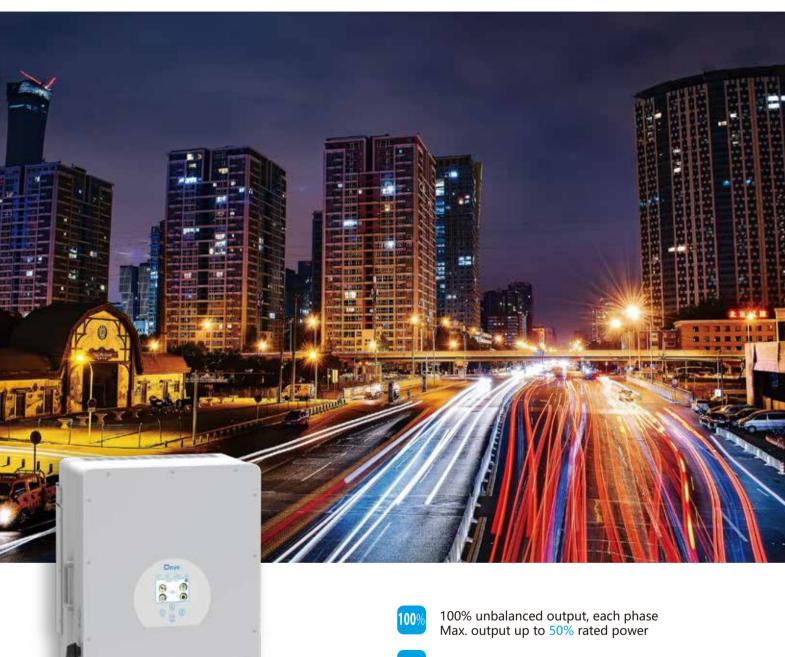
## **Three Phase Hybrid Inverter**

SUN-8 / 10 / 12 K-SG04LP3





Clean Power For You

- 48 48V low voltage battery, transformer isolation design
- 6 time periods for battery charging/discharging
- 240 Max. charging/discharging current of 240A
- 16 Frequency droop control, Max.16pcs parallel
- DC couple and AC couple to retrofit existing solar system
- Support storing energy from diesel generator

Model	SUN-8K-SG04LP3	SUN-10K-SG04LP3	SUN-12K-SG04LP3	
Battery Input Data				
Battery Type	Lead-acid or Li-lon			
Battery Voltage Range (V)	40~60V			
Max. Charging Current (A)	190A	210A	240A	
Max. Discharging Current (A)	190A	210A	240A	
Charging Curve		3 Stages / Equalization		
External Temperature Sensor	Optional			
Charging Strategy for Li-lon Battery		Self-adaption to BMS		
PV String Input Data				
Max. DC Input Power (W)	10400W	13000W	15600W	
PV Input Voltage (V)	550V (150V~800V)			
MPPT Range (V)		200V-650V		
Start-up Voltage (V)		160V		
PV Input Current (A)	13A+13A	26A+13A	26A+13A	
No.of MPPT Trackers		2		
No.of Strings Per MPPT Tracker	1+1	2+1	2+1	
AC Output Data				
Rated AC Output and UPS Power (W)	8000W	10000W	12000W	
Max. AC Output Power (W)	8800W	11000W	13200W	
Peak Power (off grid)		2 times of rated power, 10 S		
AC Output Rated Current (A)	12A	15A	18A	
Max. AC Current (A)	18A	23A	27A	
Max. Continuous AC Passthrough (A)		50A		
Output Frequency and Voltage	50/60Hz; 230/400Vac (Three phase)			
Grid Type	Three Phase			
Current Harmonic Distortion	THD<3% (Linear load<1.5%)			
Efficiency		,		
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	99.90%			
Protection				
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	Integrated			
Surge protection	DC Type II / AC Type II			
Certifications and Standards				
Grid Regulation	IEC61727, IEC62116, IEC60068, IEC61683, NRS 097-2-1			
Safety EMC / Standard	IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12			
General Data	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· · · · · · · · · · · · · · · · · · ·	
Operating Temperature Range (°C)		-25~60°C, >45°C Derating		
Cooling	Smart cooling			
Noise (dB)	<30 dB			
Communication with BMS	RS485; CAN			
Weight (kg)	36.8			
Size (mm)		422Wx658Hx281D		
Protection Degree	IP65			
Installation Style		Wall-mounted		