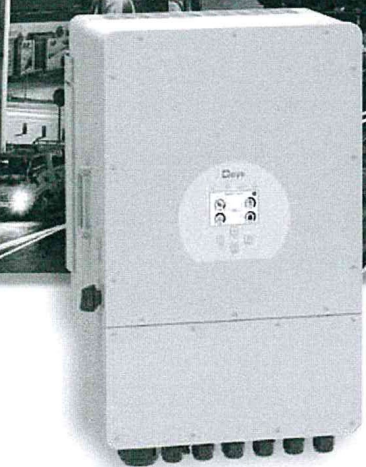
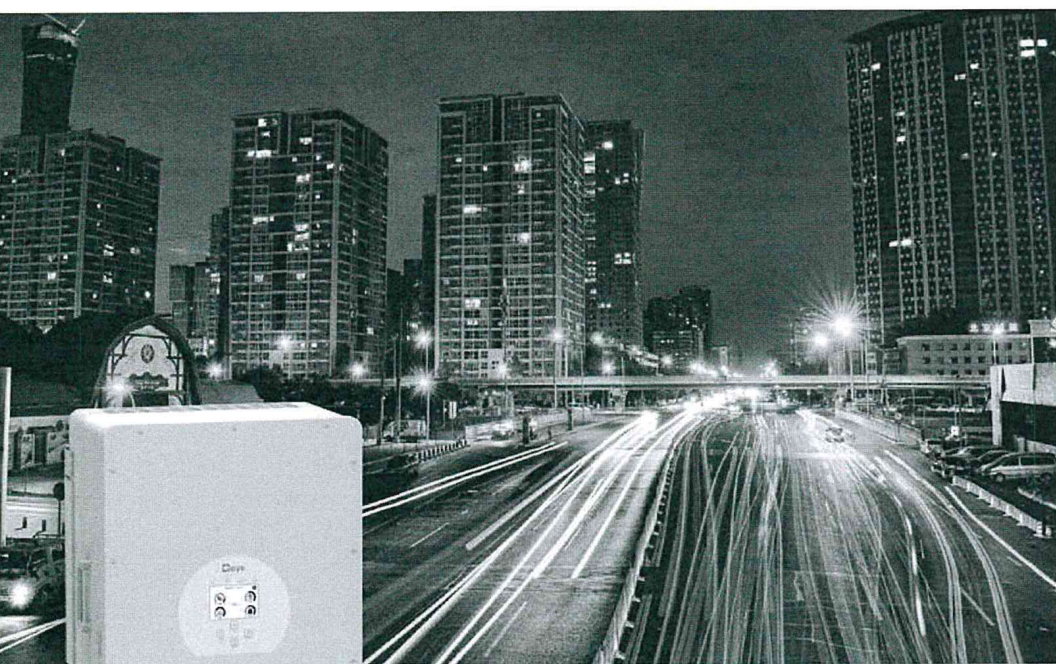


Three Phase Hybrid Inverter

SUN- 8 / 10 / 12 K-SG04LP3



100%

100% unbalanced output, each phase
Max. output up to 50% rated power

16

Frequency droop control,
Max.16pcs parallel



DC couple and AC couple to
retrofit existing solar system



Support storing energy from
diesel generator

48

48V low voltage battery,
transformer isolation design

6

6 time periods for battery
charging/discharging

240

Max. charging/discharging
current of 240A

Model	SUN-8K-SG04LP3		SUN-10K-SG04LP3	SUN-12K-SG04LP3
Battery Input Data				
Battery Type	Lead-acid or Li-Ion			
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-Ion 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)	12.5A+12.5A	25A+12.5A	25A+12.5A	
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	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727			
Safety Regulation	IEC62109-1, IEC62109-2			
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B			
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			
Warranty	5 years			



QUANTUM SOLAR ENERGY
Installers and Distributors

Call us at : 083 297 9699 / 061 494 1074