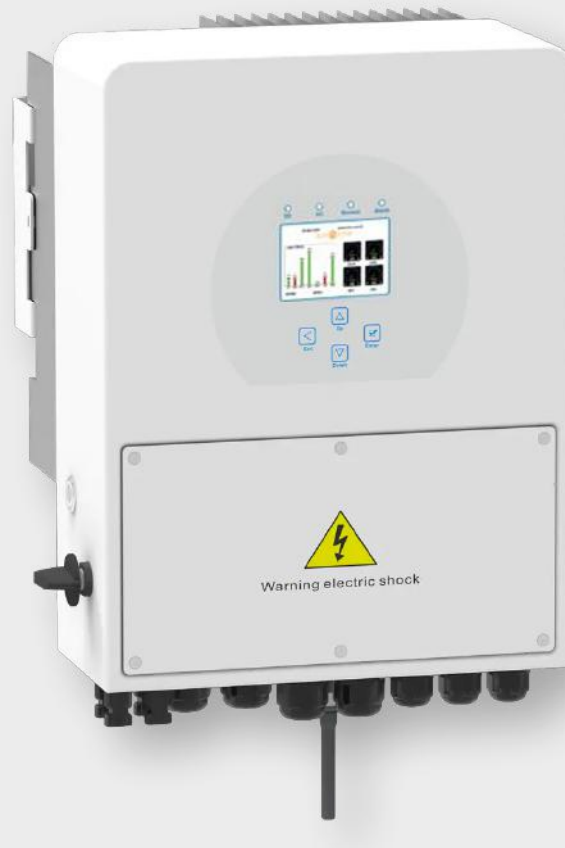




ECCO HYBRID INVERTER



DATASHEET

SUN-3K-SG04LP1-24-EU / SUN-3K-SG04LP1-EU
SUN-3.6K-SG04LP1-EU / SUN-5K-SG04LP1-EU
SUN-6K-SG04LP1-EU

(SUN-3.6K-SG01LP1) Please update to SG04 via firmware update.

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Model	SUN-3K-SG04LP1-24-EU	SUN-3K-SG04LP1-EU	SUN-3.6K-SG04LP1-EU	SUN-5K-SG04LP1-EU	SUN-6K-SG04LP1-EU
Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range	20~30V	40~60V			
Max. Charging Current	140A	70A	90A	120A	135A
Max. Discharging Current	140A	70A	90A	120A	135A
Charging Curve	3 Stages/Equalisation				
Number of Battery Input	Yes				
Charging Strategy for Li-Ion Battery	Self-Adaptation to BMS				
PV String Input Data					
Max. DC Input Power	3900W	3900W	7000W	6500W	7800W
PV Input Voltage	370V (125V~500V)				
MPPT Range	150~425V				
Start-up Voltage	125V				
Full Load DC Voltage Range	300~425V				
PV Input Current	13A		13+13A		
Max. PV Isc	17A		17+17A		
No. of MPPT / Strings Per MPPT	1/1		2/1+1		
AC Output Data					
Rated AC Output and UPS Power	3000W		3600W	5000W	6000W
Max. AC Power	3300W		3680W	5500W	6600W
Peak Power (off-grid)	2 times of rated power, 10 S				
AC Output Rated Current	13.6A		15.7A	22.7A	27.3A
Max AC Current	15A		17.2A	25A	30A
Max Continuous AC Passthrough	35A			40A	
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac (single phase)				
Grid Type	Single-Phase				
Current Harmonic Distortion	THD<3%(Linear load<1.5%)				
Efficiency					
Max. Efficiency	97.60%				
MPPT Efficiency	97.00%				
Euro Efficiency	99.90%				
Protection					
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				
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				

General Data		
Operating Temperature Range	-45~60°C, >45°C Derating	
Cooling	Natural Cooling	
Noise	<30dB	
Communication with BMS	RS485; CAN	
Weight	11.4kg	14kg
Size	330W x 433H x 238D mm	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	



CONTACT US

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GlobalTech Ltd

