



# Three Phase Hybrid Inverter

## Hybrid 10kw # DSC-10K-SG04LP3-EU 380V/3 PHASE



- 48** 48V low voltage battery, transformer isolation design
- 6** 6 time periods for battery charging/discharging
- 240** Max. charging/discharging current of 240A

- 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

Model		DSC-10K-SG04LP3-EU 380V/3 PHASE
<b>Battery Input Data</b>		
Battery Type	Lead-acid or Li-Ion	
Battery Voltage Range (V)	40~60V	
Max. Charging Current (A)	210A	
Max. Discharging Current (A)	210A	
Charging Curve	3 Stages / Equalization	
External Temperature Sensor	Yes	
Charging Strategy for Li-Ion Battery	Self-adaptation to BMS	
<b>PV String Input Data</b>		
Max. DC Input Power (W)	13000W	
PV Input Voltage (V)	550V (150V~800V)	
MPPT Range (V)	200V~650V	
Start-up Voltage (V)	160V	
PV Input Current (A)	26A~13A	
No. of MPPT Trackers	2	
No. of Strings Per MPPT Tracker	2~1	
<b>AC Output Data</b>		
Rated AC Output and UPS Power (W)	10000W	
Max. AC Output Power (W)	11000W	
Peak Power (off grid)	2 times of rated power, 10 S	
AC Output Rated Current (A)	15A	
Max. AC Current (A)	23A	
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%)	
<b>Efficiency</b>		
Max. Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	
<b>Protection</b>		
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	
<b>Certifications and Standards</b>		
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	
<b>General Data</b>		
Operating Temperature Range (°C)	-25~60°C, >45°C Derating	
Cooling	Smart cooling	
Noise (dB)	<45 dB	
Communication with BMS	RS485; CAN	
Weight (kg)	36.8	
Size (mm)	422Wx658Hx281D	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	