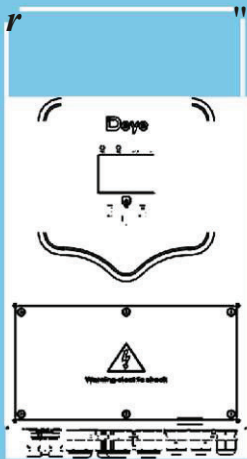


Hybrid Inverter

SUN-8K-SG01LP1-EU



CE



Hybrid Inverter

SUN-8K-SG01LP1-EU



Max. Efficiency
97.6%



2 MPPT



RS485/CAN



Internal SPD



Zero Export



IP65
Ingress Protection



High Power
Factor



High Surge
Endurance



AC Coupled



Support Generator
Connection

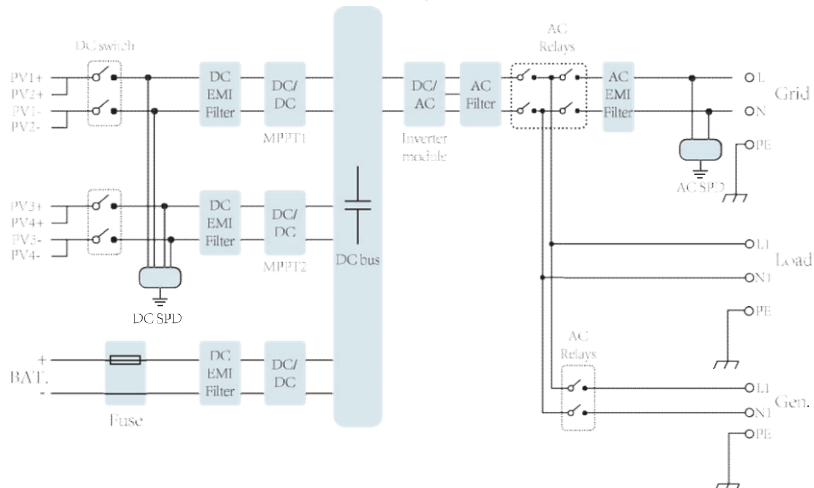


Six Time of
Use Setting

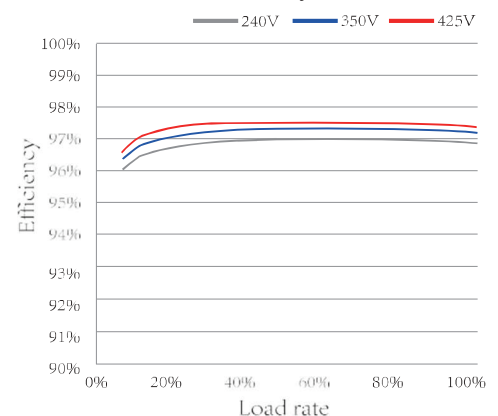


Support Multiple
Parallel

Circuit block diagram



Efficiency curve



SUN-8K-SG01LP1-EU

Technical Specifications

Model		SUN-8K-SG01LP1 -EU
Battery Input Data		
Battery Type	Lead -acid & Li- lean	
Battery Voltage Range (V)	40~60V	
Max Charging Current (A)	190A	
Max Discharging Current (A)	190A	
Charging Curve	3 Stages/Equalization	
Extreme Temperature Sensor	Included	
Charging Strategy for Li- Ion Battery	Self- adaption to BMS	
PV String Input Data		
Max DC Input Power (W)	10400W	
PV Input Voltage (V)	370V(100V~500V)	
MPPT Range (V)	125V-425V	
Start - up Voltage (V)	125V	
PV Input Current (A)	1SA+18A	
Ncl.ofMPPT Trackers	2	
No of Strings Per MPPT Tracker	2+2	
AC Output Data		
Rated AC Output and UPS Power (W)	8000W	
Max AC Output Power (W)	8800W	
Peak Power (off grid)	2 times of rated power, 10 S	
AC Output Rated Current(A)	33.4A/35A	
Max.AC Current(A)	38.3A/40A	
Max Continuous AC Passthrough(A)	50A	
Output Frequency and Voltage	50Hz- 230Vac (single phase)	
Grid Type	Single 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 Arc Fault Detection	integrated (Except European Type)	
PV input Lightning Protection	Integrated	
Anti - islanding Protection	Integrated	
PV String Input Reverse Polarity Protection	Integrated	
Insulation Resistor Detect ion	Integrated	
Residual Current Monitoring Unit	Integrated	
Output Over Current Protection	Integrated	
Output Shorted Protection	Integrated	
Output Over Voltage Protection	Integrated	
Certifications and Standards		
Grid Regulation	AS4777, N RS2017, G98, G99, IEC61683, IEC62 116, IEC6 1727	
Safety Regulation	IEC62109 - 1, IEC6210 9-2	
EMC	EN61000 -6- 1, EN61000 -6-3	
General Data		
Operating Temperature Range (C)	-25- 60 t, >45 °C. Derating	
Cc>c>ling	Fan	
Noise (dB)	<30	
Communication with BMS	RS485; CAN	
Weight (kg)	32	
Size (Length*Width*Height mm)	670 X 420 X 233mm	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	