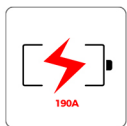
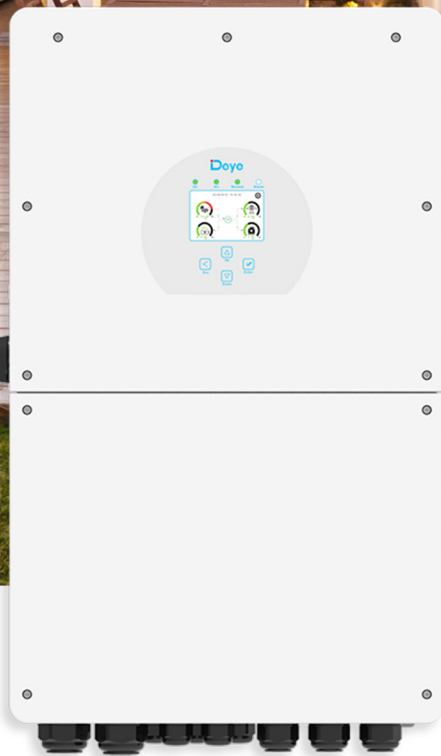


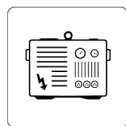
Low Voltage Hybrid Inverter SUN-7.6/8K-SG01LP1-EU

ALL TIME BEST SELLER

This hybrid inverter meets the need of small-scale industrial and commercial energy storage scenarios. It can switch automatically between on and off grid within 4ms, ensuring uninterrupted power supply for critical load. The intelligent AC coupling easily upgrades the existing grid-tied system.



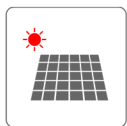
Max. Charging/Discharging
Current 190A



Support Storing Energy
From Diesel Generator



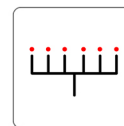
6 Time Periods for
Battery
Charging/Discharging



DC & AC Couple to
Retrofit Existing
Solar System



Touchable LCD,
IP65 Waterproof



Max. 16 PCs Parallel
for On/Off-grid
Operation

Hybrid Series

Model	SUN-7.6K-SC01LP1-EU	SUN-8K-SC01LP1-EU
Battery Input		
Battery Type	Lead-Acid or Li-Ion	
Battery Voltage Range	40-60V	
Max. Charging Current	190A	
Max. Discharging Current	190A	
External Temperature Sensor	Yes	
Charging Curve	3 Stages / Equalization	
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS	
PV Input		
Max. DC Input Power	9880W	10400W
Rated PV Input Voltage	370V (125-500V)	
Start-up Voltage	125V	
MPPT Voltage Range	150-425V	
Full Load DC Voltage Range	200-425V	
PV Input Current	26A + 26A	
Max. PV ISC	34A + 34A	
Number of MPPT / Strings per MPPT	2 / 2+2	
AC Output		
Rated AC Output and UPS Power	7600W	8000W
Max. AC Output Power	8360W	8800W
AC Output Rated Current	31.7A/36.5A 34.5A	33.3A/38.5A 36.4A
Max. AC Current	34.8A/40.2A 38A	36.7A/42.3A 40A
Max. Continuous AC Passthrough	50A	
Peak Power (Off-Grid)	2 Time of Rated Power, 10 S	
Power Factor	0.8 Leading to 0.8 Lagging	
Output Frequency and Voltage	50 / 60Hz: L1/L2/N(PE) 120/240Vac (Split Phase), 208Vac (2/3 Phase), L/N/PE 220/230Vac (Single Phase)	
Grid Type	Split phase; 2/3 phase; Single Phase	
DC Injection Current (mA)	THD<3% (Linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	
General		
Operating Temperature Range	-45-60°C, >45°C Derating	
Cooling	Natural Convection	
Noise	<30 dB	
Communication with BMS	RS485; CAN	
Weight	32KG	
Size (W x H x D)	420 x 670 x 233 mm	
Protection Degree	IP65	
Installation Type	Wall-Mounted	
Warranty	5 Years	
Certifications and Standards		
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	
Note: Specifications are subject to change without advance notice.		