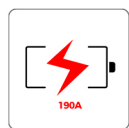
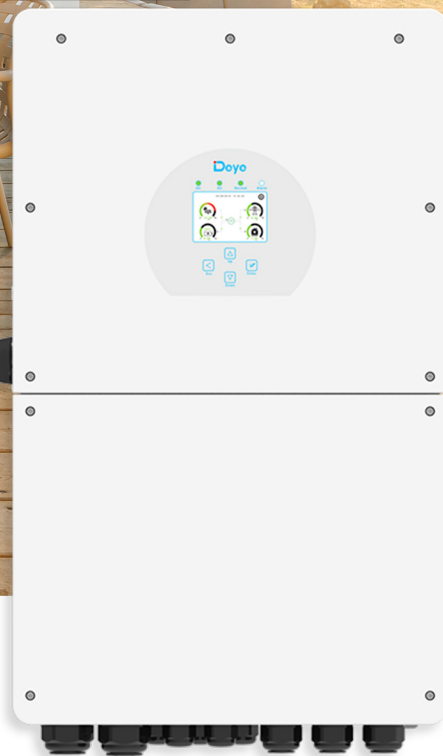


Low Voltage Hybrid Inverter

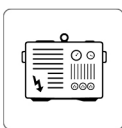
SUN-3-6K-SG03/05LP1-EU

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.



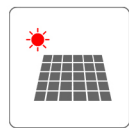
Max. Charging/Discharging
Current 190A



Support Storing Energy
From Diesel Generator



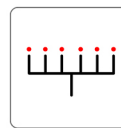
6 Time Periods for
Battery
Charging/Discharging



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-3K -SG03/05LP1-EU	SUN-3.6K -SG03/05LP1-EU	SUN-5K -SG03/05LP1-EU	SUN-6K -SG03/05LP1-EU
Battery Input				
Battery Type	Lead-Acid or Li-Ion			
Battery Voltage Range	40~60V			
Max. Charging Current	70A	90A	120A	135A
Max. Discharging Current	70A	90A	120A	135A
Extertnal Temperature Sensor	Yes			
Charging Curve	3 Stages / Equalization			
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS			
PV Input				
Max. DC Input Power	3900W	4680W	6500W	7800W
Rated PV Input Voltage	370V (125~500V)			
Start-up Voltage	125V			
MPPT Voltage Range	150~425V			
Full Load DC Voltage Range	300~425V			
PV Input Current	13A		13A+13A	
Max. PV ISC	17A		17A+17A	
Number of MPPT / Strings per MPPT	1 / 1		2 / 1+1	
AC Output				
Rated AC Output and UPS Power	3000W	3600W	5000W	6000W
Max. AC Output Power	3300W	3690W	5500W	6600W
AC Output Rated Current	13.6A	16.4A	22.7A	27.3A
Max. AC Current	15A	18A	25A	30A
Max. Continuous AC Passthrough		35A		40A
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; L/N/PE 220/230Vac (Single Phase)			
Grid Type	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℃, >45℃ Derating			
Cooling	Natural Convection			
Noise	<30 dB			
Communication with BMS	RS485; CAN			
Weight	20.5KG			
Size (W x H x D)	330 x 580 x 232 mm			
Protection Degree	IP65			
Installation Type	Wall-Mounted			
Warranty	5 Years			
Certifications and Standards				
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, V DE 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			
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			
Note: Specifications are subject to change without advance notice.				