Deye®

Гібридний інвертор

- SUN-3.6K-SG05LP1-EU
- SUN-5K-SG05LP1-EU
- SUN-6K-SG05LP1-EU
- SUN-7.6K-SG05LP1-EU
- SUN-8K-SG05LP1-EU



Технічна специфікація

Модель	*SUN-3.6K-SG05LP1-EU*	*SUN-5K-SG05LP1-EU*	*SUN-6K-SG05LP1-EU*	*SUN-7.6K-SG05LP1-EU*	*SUN-8K-SG05LP1-EU*
Battery Input Date					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range(V)	40-60V				
Max. Charging Current(A)	90A	120A	135A	190A	190A
Max. Discharging Current(A)	90A	120A	135A	190A	190A
Charging Curve	3 Stages / Equalization				
External Temperature Sensor	yes				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. DC Input Power(W)	4680W	6500W	7800W	9880W	10400W
PV Input Voltage(V)	370V (125V~500V)				
MPPT Range(V)	150~425V				
Full Load DC Voltage Range	300~425V			200~425V	
Start-up Voltage(V)	125V				
PV Input Current(A)	13A+13A			26A+26A	
No. of MPPT Trackers	2				
No. of Strings Per MPPT Tracker	1+1			2+2	
AC Output Data					
Rated AC Output and UPS Power(W)	3600	5000	6000	7600	8000
Max. AC Output Power(W)	3960	5500	6600	8360	8800
Peak Power(off grid)	2 times of rated power, 10 S				
AC Output Rated Current(A)	16.4/15.7A	22.7/21.7A	27.3/26.1A	34.5/33A	36.4/34.8A
Max. AC Current(A)	18/17.2A	25/23.9A	30/28.7A	38/36.3A	40/38.3A
Max. Continuous AC Passthrough(A)	35A		40A	50A	
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230V (single phase)				
Grid Type	Single Phase				
Total Harmonic Distortion (THD)	<3% (of nominal power)				
DC current injection	<0.5% In				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	>99%				
Protection					
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				
Surge Protection	DC Type II / AC Type II				
Over Voltage Category	DC Type II / AC Type III				

Certifications and Standards	
Grid Regulation	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI 0 21,EN50549-1, G98,G99,C10-11,UNE217002,NBR16149/NBR16150
EMC/Safety Regulation	IEC/EN 62109-1,IEC/EN 62109-2,IEC/EN 61000-6-1, IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4
General Data	
Operating Temperature Range(℃)	-40~60℃, >45℃ Derating
Cooling	Smart cooling
Noise(dB)	<30 dB
Communication with BMS	RS485; CAN
Weight(kg)	24
Size(mm)	330W×580H×232D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years