

Single Phase Hybrid Inverter

SUN-3K-SG06LP1-24-EU-CM1

SUN-3K-SG06LP1-EU-CM1

SUN-3.6/4/4.6/5/6K-SG06LP1-EU-CM2



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system



Max. 16 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Max. charging/discharging current of 140A



6 time periods for battery charging/discharging



Support storing energy from diesel generator

APIUM

Input Voltage (V)	500					
Voltage (V)	125					
Voltage Range (V)	150-425					
Input Voltage (V)	370					
Rating PV Input Current (A)	18	18+18				
Short-Circuit Current (A)	27	27+27				
MPPTs/Strings MPP Tracker	1/1	2/1+1				
Output Data						
Input/Output Active Power (W)	3000	3600	4000	4600	5000	6000
Input/Output Apparent Power (VA)	3300	3960	4400	4600	5500	6600
Input/Output Current (A)	13.7/13.1	16.4/15.7	18.2/17.4	21.0/20	22.8/21.8	27.3/26.7
Input/Output Current (A)	15/14.4	18/17.3	20/19.2	21.0/20	25.0/24.0	30/28.8
Continuous AC Passthrough (grid to load) (A)	50					
Power Factor (off-grid) (W)	2 times of rated power, 10s					
Power Factor Adjustment Range	0.8 leading to 0.8 lagging					
Input/Output Voltage/Range (V)	220/230V 0.85Un-1.1Un					
Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65					
Connection Form	L+N+PE					
THD Total Harmonic Distortion THDi	<3% (of nominal power)					
Residual Current	<0.5% In					
Efficiency	97.6%					
Efficiency	96.5%					
Efficiency	>99%					
Protection	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Arc Fault Circuit Interrupter (optional), Anti-islanding Protection, DC Switch, Insulation Impedance Detection, Residual Current Detection					