

Off-grid Hybrid Inverter

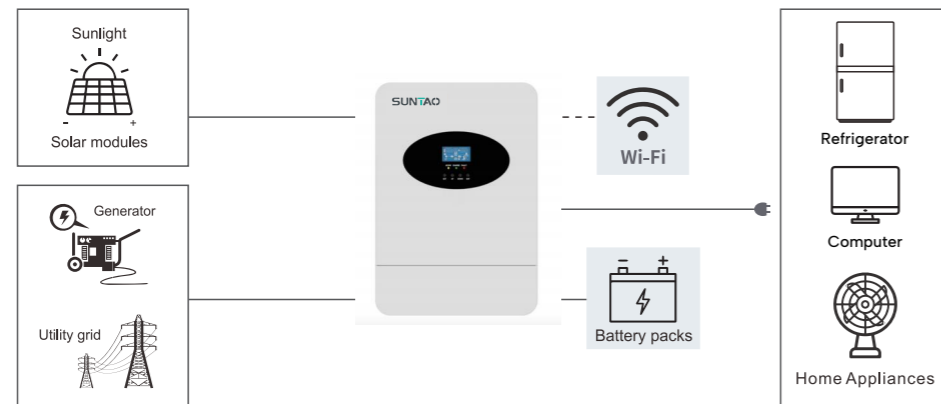
SD MPI&SPI Series 3~10kW

Features

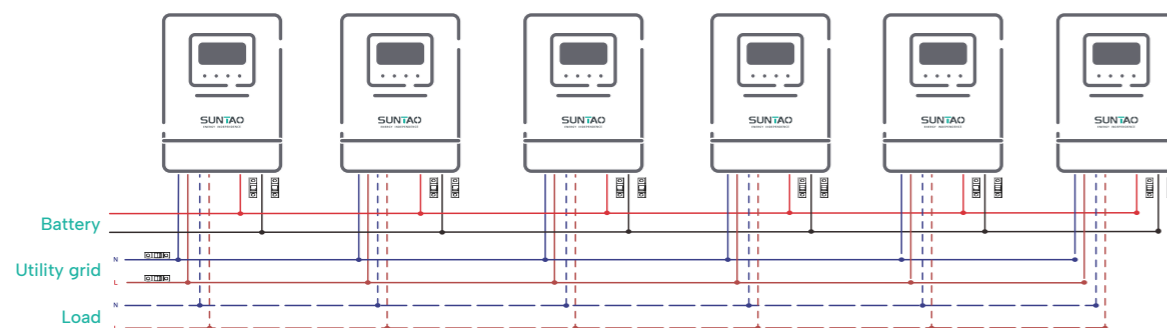
- Easily LCD screen setting
- One-person installation
- Cobalt free battery
- Soft-start to defend the surge
- UPS level switching
- Selectable charging and power supply priority
- Support solar input voltage up to 500V
- Multi-choices for low-voltage wakeup
- Full DSP digital control
- Equalization charging function



Solar System Connection



Parallel operation up to 6 units



Model	SD MPI-3K	SD MPI-5K-PH	SD MPI-8K-PH	SD MPI-10K-PH	SD SPI-3K	SD SPI-5K-PH	SD SPI-8K-PH	SD SPI-10K-PH
Battery Voltage	24VDC	48VDC			24VDC	48VDC		
Hybrid Charging Maximum Charging Current	80A	100A	180A	200A	80A	100A	180A	200A
Storage Temperature	-15°C - 60°C							
SOLAR INPUT								
Maximum PV Input Power	4000W	6000W	2*5500W		4000W	6000W	2*5500W	
MPPT Range @ Operating Voltage	120VDC - 450VDC							
Maximum PV Input Current	13A	22A	22A*2		13A	22A	22A*2	
Number of Independent MPP Trackers/Strings Per MPP Tracker	1/1	1/2	2/2		1/1	1/2	2/2	
Maximum PV Open-circuit Voltage	500VDC							
Maximum Solar Charge Current	80A	100A	160A	200A	80A	100A	160A	200A
AC OUTPUT								
Rated Power	3300VA/3300W	5000VA/5000W	8000VA/8000W	10000VA/10000W	3300VA/3300W	5000VA/5000W	8000VA/8000W	10000VA/10000W
Parallel Capability	NO	Yes, 6 units maximum			NO	Yes, 6 units maximum		
AC Voltage Regulation	230VAC ± 5% @ 50/60Hz				120VAC ± 5% @ 50/60Hz			
Surge Power	6000VA	10000VA	16000VA	20000VA	6000VA	10000VA	16000VA	20000VA
Efficiency (Peak)	93%							
Waveform	Pure sine wave							
Transfer Time	10ms typical, 20ms Max							
AC CHARGER								
Charge Current	60A	60A	100A	120A	60A	60A	100A	120A
AC Input Voltage	230 VAC				120 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)							
Frequency Range	50Hz/60Hz (Auto sensing)							
PHYSICAL								
Protection Degree	IP20							
Dimension (H/W/D)	460x285x113mm	485x335x124mm	645x450x133mm		460x285x113mm	485x345x124mm	645x450x133mm	
Net Weight	8Kg	14Kg	30kg		8Kg	15KG	30kg	
OPERATING ENVIRONMENT								
Certificate	IEC62109-1/2, EN61000-6-1/3	IEC62109-1/2, EN61000-6-1/3	IEC62109-1/2, EN61000-6-1/3	IEC62109-1/2, EN61000-6-1/3	UL1741/FCC	UL1741/FCC	UL1741/FCC	UL1741/FCC
Humidity	5% to 95% Relative Humidity(Non-condensing)							
Altitude	<2000m							
Operating Temperature	0°C - 55°C							
Storage Temperature	-15°C - 60°C							