



**SUNSYNK 10KVA /16KVA SINGLE PHASE HYBRID INVERTER**

**SUNSYNK 12KVA SINGLE /THREE PHASE HYBRID INVERTER**

**5.12KWH /10.65KWH /15.96KWH BATTERY**



Solar Compatibility



Flexible Investment



More Usable Energy



Safe & Reliable

**oxbow**

SUN  SYNK

# SUNSYNK HYBRID INVERTER

## Specifications

	SUNSYNK 10KVA	SUNSYNK 12KVA	SUNSYNK 16KVA
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range	40~60V		
Max. Charge Current	220A	250A	290A
Max. Discharge Current	220A	250A	290A
External Temperature Sensor	Yes		
Charging Curve	3 Stages / Equalization		
Charging Strategy for Li-Ion Battery	Self-Adaptation to BMS		
<b>PV String Input Data</b>			
Max. DC Input Power	13000W	15600W	20800W
Rated PV Input Voltage	370V (125~500V)		
Start-up Voltage	125V		
MPPT Voltage Range	150V-425V		
Max. PV Isc	44A+44A+44A		
No. of MPPT / Strings Per MPPT	3 / 2+2+2		
<b>AC Output Data</b>			
Rated AC Output Active Power		12000	16000
Max AC Output Active Power	10000	13200	
AC Output Rated Current	11000	54.6/52.2A	72.7/69.6A
Max. AC Output Current	45.5/43.5A	60/57.4A	80/76.5A
Max. Continuous AC Passthrough	50/47.9A	70A	100A
Peak Power (Off Grid)	70A	2 Time of Rated Power, 10 S	
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging		
Power Factor	1		
Output Frequency and Voltage	50 / 60Hz; L/N/PE 220/230Vac		
Grid Type		Three Phase	Single Phase
Total Harmonics Current Distortion	Single Phase	<3% (of nominal power)	
DC Current Injection	<0.5% In		
<b>Efficiency</b>			
Max. Efficiency	97.60%		
Euro Efficiency	97.00%		
MPPT Efficiency	99.90%		
<b>General Data</b>			
Operating Temperature Range	-40~60°C, >45°C Derating		
Weight	32kg	32kg	52kg

## SUNSYNK BATTERY

	BATTERY 5.12 KWH	BATTERY 10.65 KWH	BATTERY 15.96 KWH
Nominal Voltage	51.2 Vdc	51.2 Vdc	51.2 Vdc
Nominal Capacity	208Ah	104Ah	312Ah
Battery Energy	10650 Wh	5320 Wh	15970 Wh
Charge Voltage	55.68~56.16Vdc	55.68~56.16Vdc	55.68~56.16Vdc
Discharge Voltage	45.6-56.16 Vdc	45.6-56.16 Vdc	45.6-56.16 Vdc
Nominal Charge/Discharge Current	100A	50A	150A
Nominal Charge/Discharge Power	5000W	2500W	7500W
Max Charge / Discharge Current	200A	100A	300A
Max Charge / Discharge Power	10000W	5000W	15000W
Short Circuit Current	540A	350A	450A
<b>General Specification</b>			
Dimension(WxDxH mm )	550×160×836mm	450×150×533mm	720×160×916mm
Cell Technology	LiFePO4, Lithium Iron Phosphate		
Cycle life	6000 Cycles @ 80% DOD / 25 / 0.5C, 60% EOL		
Scalability	Max 8 batteries in parallel		

CONTACT OXBOW:



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