



**SUNSYNK 3.6KVA /5KVA /8KVA
SINGLE PHASE HYBRID INVERTER
5.12KWH /10.65KWH /15.96KWH
BATTERY**



Solar Compatibility



Flexible Investment



More Usable Energy



Safe & Reliable

oxbow

SUN  SYNK

SUNSYNK SINGLE PHASE HYBRID INVERTER

Specifications

	SUNSYNK 3.6KVA	SUNSYNK 5KVA	SUNSYNK 8KVA
Product Type	Hybrid Inverter	Hybrid Inverter	Hybrid Inverter
Enclosure	IP65	IP65	IP65
Ambient Temperature	-45°C ~ 60°C (>45°C derating)	-45°C ~ 60°C (>45°C derating)	-45°C ~ 60°C (>45°C derating)
Protection Level	Class I	Class I	Class I
Charge Mode			
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)	48Vd.c (40Vd.c ~ 60Vd.c)	48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current	90Ad.c (max.)	120Ad.c (max.)	190Ad.c (max.)
AC Input Voltage	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz
AC Input Rated Current	16.4Aa.c	22.7Aa.c	36.4Aa.c
Max. AC Input Current	18Aa.c (max.)	25Aa.c (max.)	40Aa.c (max.)
Max. AC Input Power	3960W	5500W	8800W
Max. Apparent Output Power	3960VA	5500VA	8800VA
PV Input Voltage	370Vd.c (125Vd.c ~ 500Vd.c)	370Vd.c (125Vd.c ~ 500Vd.c)	370Vd.c (125Vd.c ~ 500Vd.c)
MPPT Input Voltage	150Vd.c ~ 425Vd.c	150Vd.c ~ 425Vd.c	150Vd.c ~ 425Vd.c
PV Input Current	13Ad.c + 13Ad.c	13Ad.c + 13Ad.c	22Ad.c + 22Ad.c
Max. PV Input Power	4680W	6500W	10400W
Utility-Interactive			
AC Output Voltage	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz
AC Output Rated Current	16.4Aa.c	22.7Aa.c	36.4Aa.c
Max. AC Output Current	18Aa.c (max.)	25Aa.c (max.)	40Aa.c (max.)
Max. AC Output Power	3960W	5500W	8800W
AC Output Rated Power	3960VA	5500VA	8800VA
AC Output Power Factor	0.95 leading to 0.95 lagging	0.95 leading to 0.95 lagging	0.95 leading to 0.95 lagging
Max. AC Isc	60Aa.c	75Aa.c	145Aa.c
Battery Discharge Voltage	40Vd.c ~ 60Vd.c	40Vd.c ~ 60Vd.c	40Vd.c ~ 60Vd.c
Battery Discharge Current	90Ad.c (max.)	120Ad.c (max.)	190Ad.c (max.)
Stand Alone			
AC Output Voltage	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c	L/N/PE 220/230Va.c
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz
AC Output Rated Current	16.4Aa.c	22.7Aa.c	36.4Aa.c
AC Output Rated Power	3960W	5500W	8800W
Peak Output Power	7200W (10 seconds)	10000W (10 seconds)	16000W (10 seconds)

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
General Specification			
Dimension(WxDxH mm)	550×160×836mm	450×150×533mm	720×160×916mm
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate		
Cycle life	6000 Cycles @ 80% DOD / 25 / 0.5C, 60% EOL		
Scalability	Max 8 batteries in parallel		

CONTACT OXBOW:



08610 OXBOW



SALES@OXBOWSA.CO.ZA

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