



**SUNSYNK ALL-IN-ONE HYBRID 3.6KVA  
INVERTER & 3.84KW BATTERY**

**SUNSYNK ALL-IN-ONE HYBRID 5KVA  
INVERTER & 5.12KW BATTERY**



Solar Compatibility



Flexible Investment



More Usable Energy



Safe & Reliable

**oxbow**



# SUNSYNK ALL-IN-ONE HYBRID INVERTER & BATTERY

## Specifications

Battery Input Parameters	3.6KVA & 3.84KW	5KVA & 5.12KW
Supported Battery Type	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
Nominal Battery Voltage (V)	51.2	
Battery Input Voltage Range (V)	43.2~57.6	
Max. Charge Voltage (V)	60 (Configurable)	
Max. Charge Current (A)	60 (Configurable)	90 (Configurable)
Max. Discharge Current (A)	80 (Configurable)	120 (Configurable)
Battery Capacity (Wh)	3840	5223
PV String Input Parameters		
Max. DC Input Power (W)	4500	6800
Max. DC Input Voltage (V)	500	
MPPT Voltage Range (V)	120~450	
Start-Up Voltage (V)	150	
Max. Input Current (A)	12 (Total of two MC4 sets combined)	16 (Total of two MC4 sets combined)
AC Output Parameters (Back-up) (Feed to Essential Load)		
Max. Output Power (W)	3600	5500
Max. Output Apparent Power (VA)	3600	5500
Peak Output Apparent Power (VA)	7200	11000
Max. Output Current (A)	16	24
Nominal Output Voltage (Vac)		230
Nominal Output Frequency (Hz)		50
Max. Bypass Current (A)		40
Shift Time (Bypass and Inverter) (ms)		10
Output THD (Resistor Load)		<3%
AC Input Parameters (On-Grid)		
Max. Input Power (W)	3600	5500
Max. Output Power (W) (Feed to Home Load)	3600	5500
Max. Apparent Input Power (VA)	3600	5500
Max. Apparent Output Power (VA)	3600	5500
Nominal Input / Output Voltage (Vac)	230	
Nominal Input / Output Frequency (Hz)	50	
Max. Bypass Current (A)		40
Shift Time (Bypass and Inverter) (ms)	10	
Dimensions		
Size (H x L x W mm)	701 x 544 x 182	901 x 624 x 182
Net Weight	51.7kg	82.0kg
Efficiency		
Max. Efficiency	97.6%	
Max. Battery to Load Efficiency	94.0%	
Europe Efficiency	97.0%	97.6%
MPPT Efficiency	99.9%	
Protection		
Integrated	Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Short-Circuit Protection, Output Over-Voltage Protection, Output Overload Protection	

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