

SERIES MODELS

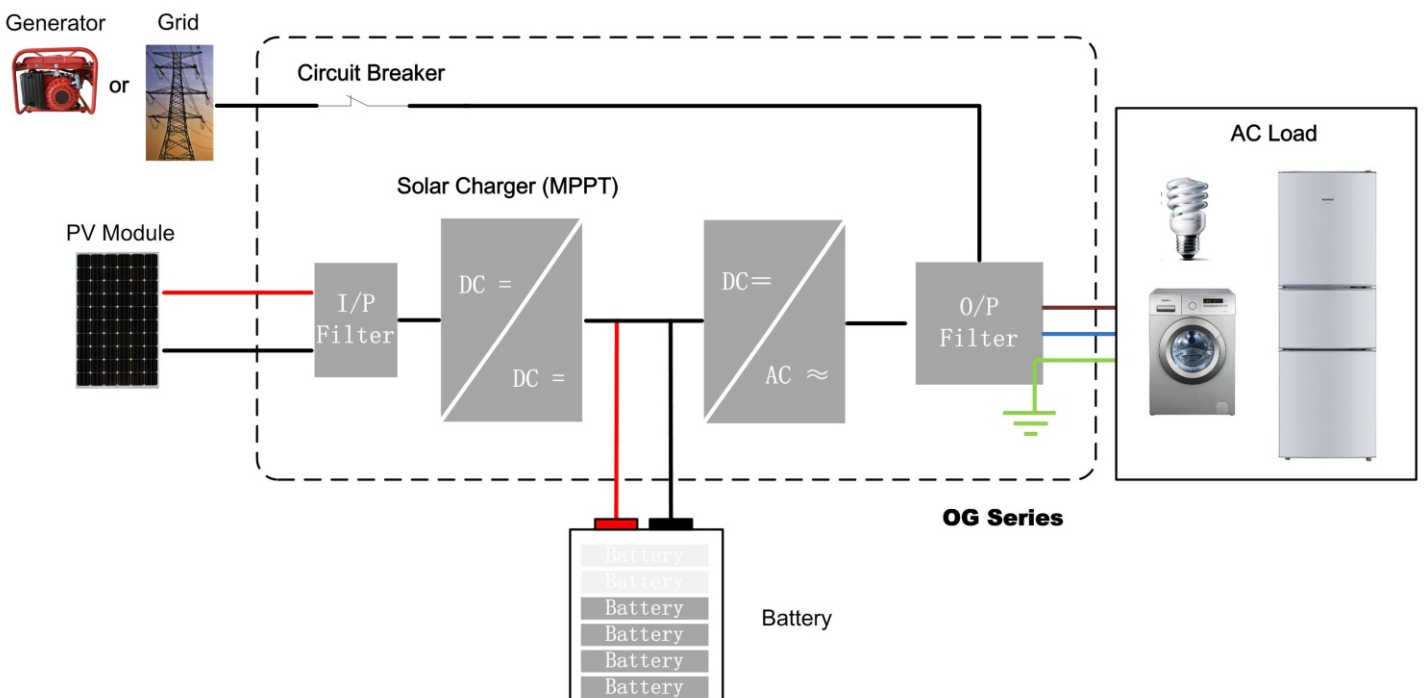
Sunwins OG-1K	Sunwins OG-2K	Sunwins OG-3K	Sunwins OG-4K	Sunwins OG-5K
Sunwins OG-1K-SCC	Sunwins OG-2K-SCC	Sunwins OG-3K-SCC	Sunwins OG-4K-SCC	Sunwins OG-5K-SCC
Sunwins OG-2K-SCC PLUS		Sunwins OG-3K-SCC PLUS		

PRODUCT FEATURES



- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance

BLOCK DIAGRAM



PART II / OFF-GRID INVERTER SUNWINS OG SERIES



TECHNICAL DATA

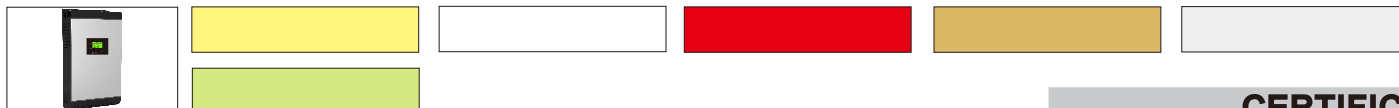
	Sunwins OG-1K-SCC		Sunwins OG-2K-SCC	Sunwins OG-3K-SCC		Sunwins OG-4K-SCC	Sunwins OG-5K-SCC
Rated Power	1000VA/800W	1000VA/1000W	2000VA/1600W	3000VA/2400W		4000VA/3200W	5000VA/4000W
Input Data							
Voltage	120VAC or 230VAC			230 VAC			
Selectable Voltage Range	95-140 VAC or 170-280 VAC (For Personal Computers) 65-140 VAC or 90-280 VAC (For Home Appliances)			170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)						
Output Data							
AC Voltage Regulation (Battery Mode)	110/120 VAC ± 5% (User selectable) or 230 VAC ± 5%			230 VAC ± 5%			
Surge Power	2000VA		4000VA	6000VA		8000VA	10000VA
Efficiency (Peak)	90%-93%			93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
Battery & AC Charger							
Battery Voltage	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	27 VDC	54 VDC	54 VDC	
Overcharge Protection	31 VDC	62 VDC	31 VDC	31 VDC	62 VDC	60 VDC	
Maximum Charge Current	10 A or 10 A/20A*10 A or 10 A/15A*		20 A or 30 A	20 A or 30 A	10 A or 15 A	20 A or 30 A	
Solar Charger							
Maximum PV Array Power	600 W	900 W	600 W	600 W	900 W	3000 W	
MPPT Range @ Operating Voltage	30VDC ~66VDC	60VDC ~88VDC	30VDC ~66VDC	30VDC ~66VDC	60VDC ~88VDC	60VDC ~115VDC	
Maximum PV Array Open Circuit Voltage	75 VDC	102 VDC	75 VDC	75 VDC	102 VDC	145 VDC	
Maximum Charging Current	25 A	20 A	25 A	25 A	18 A	60 A	
Maximum Efficiency	98%						
Standby Power Consumption	2 W						
General Data							
Dimension, W x H x D	272 x 355 x 128 (mm)				295 x 540 x 140 (mm)		
Net Weight	7.4 kg		7.6 kg	8 kg		12.5 kg	13.5 kg
Operating Environment							
Relative Humidity (Non-condensing)	0% to 95%						
Protection Degree	IP 21						
Operating Temperature	-20°C to 55°C						
Storage Temperature	-20°C to 60°C						
Standard Warranty(years)	2 years						

* Typical transfer time for parallel operation is 30ms.

Product specifications are subject to change without further notice

Version : 2.0

COLOR OPTIONS



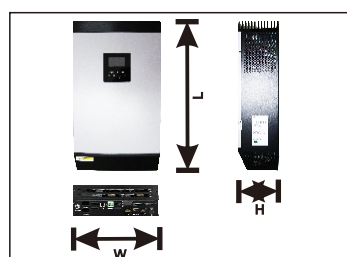
CERTIFICATION



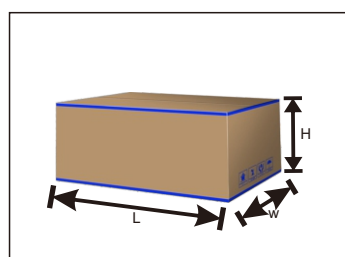
PACKING DATA

Model	N.W (kg)	G.W (kg)	pcs / box	Product Size L*W*H (mm)	Packing Size L*W*H(mm)	20' Ft Container			40' Ft Container			
						pcs*layer	pallet	total(pcs)	pcs*layer	pallet	total(pcs)	
Sunwins OG-1K	5	6	1pcs / box	316*240*95	400*333*210	9*9	10	810	9*9	21	1701	
Sunwins OG-2K	6.4	8.1		355*272*100	500*400*220	6*8		480	6*8		1008	
Sunwins OG-3K	6.9	8.6		468*295*120	600*400*220	5*4	20*	400	5*4	42	840	
Sunwins OG-4K	9.8	11.5		1pcs / box	355*272*128	495*390*250	6*8	10	480	6*8	21	1008
Sunwins OG-1K-SCC	7.4	9.4										
Sunwins OG-2K-SCC	7.6	9.65	1pcs / box		540*295*140	600*400*220	5*4	20*	400	5*4	42	840
Sunwins OG-3K-SCC	8	10.05										
Sunwins OG-4K-SCC	12.5	14.8										
Sunwins OG-5K-SCC	13.5	15										
Sunwins OG-2K-SCC PLUS	9.65	11.5	1pcs / box	479*295*140	590*390*235	5*4	20*	400	5*4	42	840	
Sunwins OG-3K-SCC PLUS												
Standard Pallet Size	1200*1000*126 (1200*1000*(1006+1006))*											

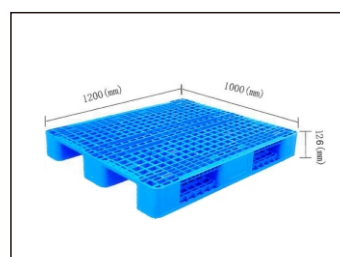
PACKING SIZES



Product Size



Product Packing Size



Standard Pallet Size



Pallet Packing Model

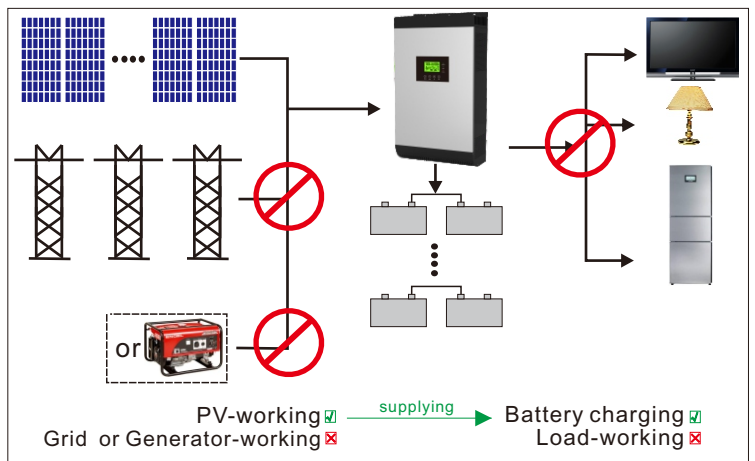
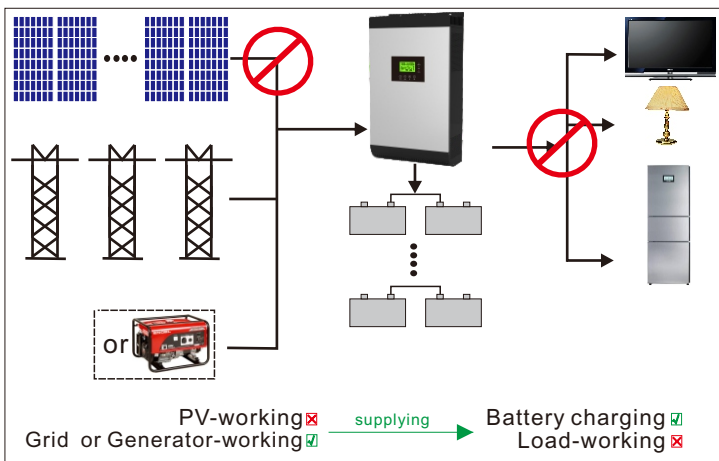
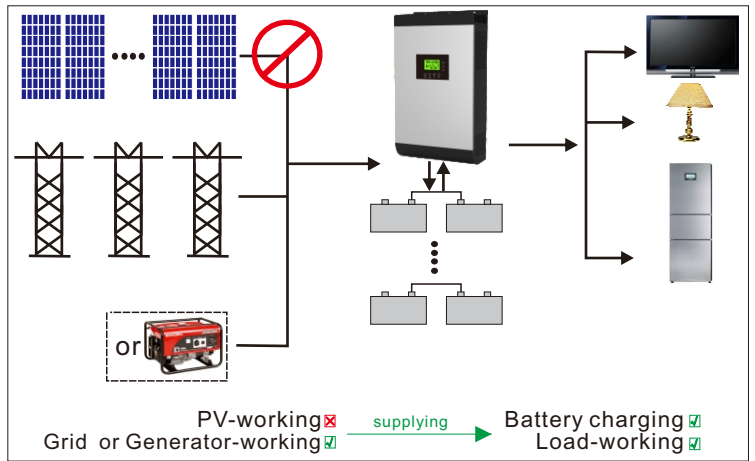
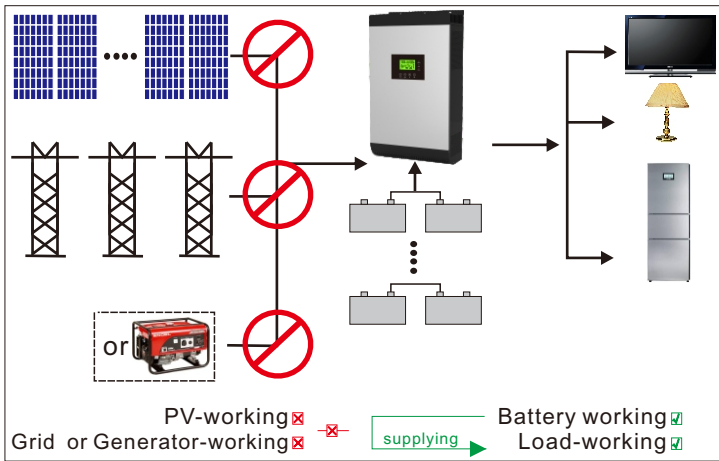
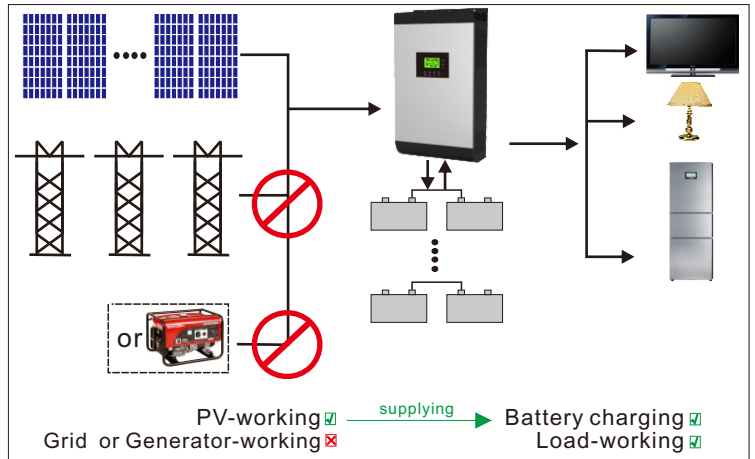
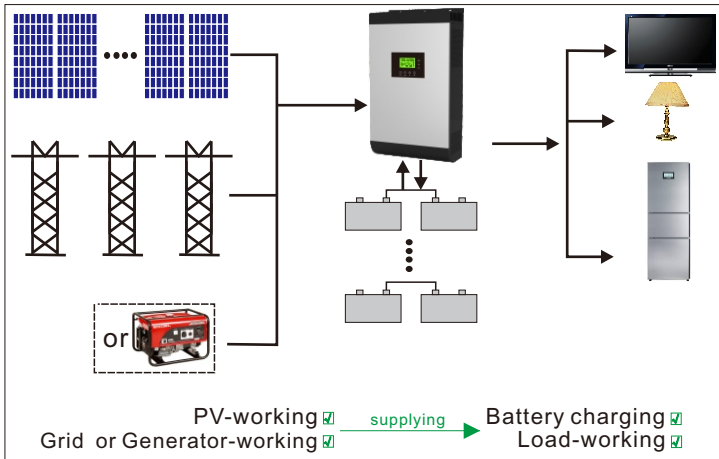
SYSTEM SOLUTION & APPLICATION CASES



We can provide :

- * 1kw to 200kw on-grid / off-grid / storage energy solutions.
- * Professional design and good quality.
- * Ensure safe and convenient construction.
- * Easy to maintain and convenient to replace.
- * Wide applications range for different environments.

DIFFERENT WORKING MODE



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