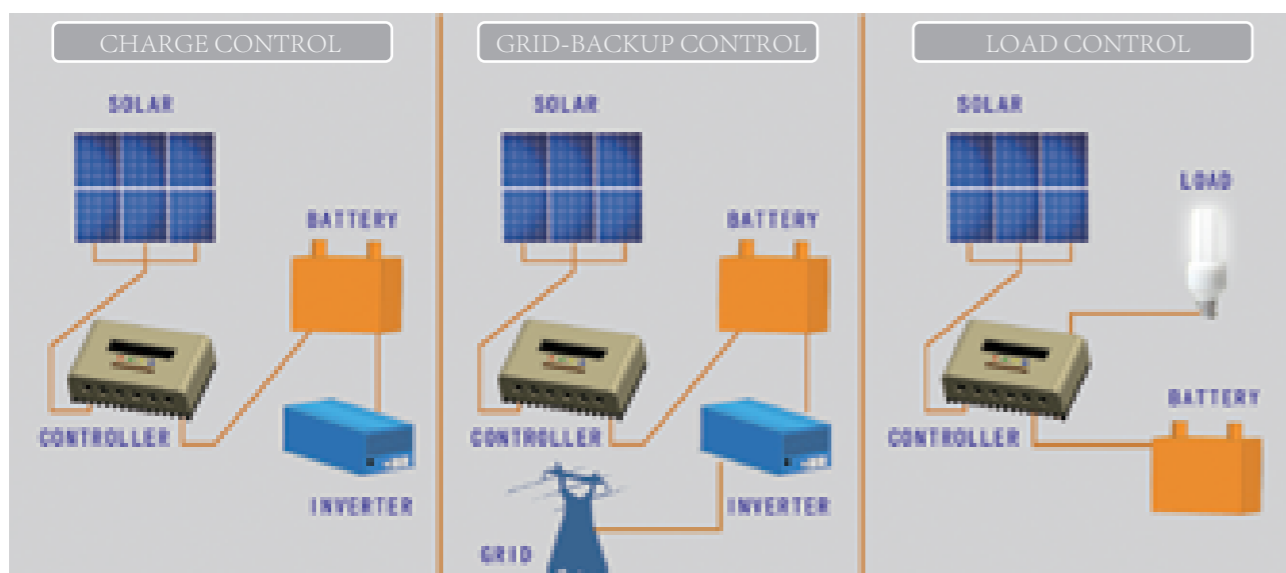


Solar Off-Grid Controller, Inverter, System

- Advanced Technology
- Automated Production
- Competitive Cost



Solar Charge Controller

Multiple Functions:

- Charge control and load control
- 4-stage charging to increase battery capacity and prolong battery life
- Bulk charge, PWM regulation, float and equalize

More Flexible:

- 12VDC-48VDC adjustable
- 60A at 48VDC, solar arrays up to 4kW

High Reliability:

- Fully protected against reverse polarity, short circuit, overcurrent, overvoltage and high temperature
- Large heat sink and conservative design enables operating to 60 °C
- Standard 2-year warranty

True Sinewave Inverter/Charger

- True sinewave output
- Suitable for any kind of electrical appliance
- Reliable and silent working with all kinds of loads
- Outstanding conversion efficiency and overload capabilities
- Modular system architecture
- Integrated network communications
- Intelligent 4-stage battery charging (Optional: charger with grid)
- Standard 2-year warranty

Solar Charge Controller	
System voltage	12-48 V
Max.solar current	5 /8 /10 /15 /20 A or 30 /45 /60 A
Max.solar voltage	125 V
Typical efficiency	> 90%
Self consumption	< 50 mA
Operating ambient temperature	-40 °C to +60 °C
Storage temperature	-55 °C to +85 °C
Relative humidity	100%, no condensation
Protections	Reverse polarity protection
	Short-circuit protection
	Over-current protection
	High temperature protection via automatic current reduction or shut down
Certificates	CE compliant; Manufactured in a certified ISO 9001 facility

Off-Grid Inverter									
Model	SFG300S	SFG500S	SFG800S	SFG1000S	SFG1500S	SFG2000S	SFG3000S	SFG4000S	SFG5000S
DC Input Data									
Nominal DC voltage	12V or 24V or 48V or 110V								
Nominal voltage range	10-15V or 21-30V or 42-60V or 100-120V								
Max. DC current	25A	40A	34A	42A	63A	84A	63A	84A	105A
Typical efficiency	> 90%								
AC Output Data									
Nominal AC voltage	100 /110 /120V or 220 /230 /240V								
Nominal AC power	300W	500W	800W	1000W	1500W	2000W	3000W	4000W	5000W
Surge AC power	600W	1000W	1600W	2000W	3000W	4000W	6000W	8000W	10000W
Output waveform	Pure Sine Wave								
Nominal AC frequency	50Hz or 60Hz								
THD of AC voltage	< 3%								
Protection									
Low voltage alarm	10 ± 0.5V or 20.5 ± 1V or 44 ± 1V or 100 ± 1V								
Low voltage shut-off	9.5 ± 0.5V or 19.5 ± 1V or 42 ± 1V or 96 ± 5V								
Overvoltage shut-off	15.5V or 30.5V or 61.2V or 120V								
Over thermal	Shut off output automatically								
Environment									
Operating temperature	-10°C to +60°C								
Storage temperature	-30°C to +70°C								
Relative humidity	20% ~ 90%, non-condensing								
Packing									
Dimensions(L*W*H)[mm]	200*105*60	260*165*85	260*165*85	328*165*85	382*165*85	450*165*85	417*150*153	544*199*146	544*199*146
Net weight [kg]	0.86	2.43	2.52	3.27	3.86	4.73	6.03	11.90	12.10