



FutureSolar is professional in Solar power design, specially in solar power solution. TOP quality with warranty. FutureSolar with 300MW capacity solar PV module production and devote into solar inverters series On/Off grid inverter, Hybrid Inverter with MPPT. “Top quality with best price and great sale service ” are FutureSolar goal. Welcome every customer cooperate with FutureSolar.



Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Peak power	2000W	3000W	4000W	6000W	8000W	10KW	12KW
Battery volt(VDC)	12/24V	12/24V	12/24/48	24/48V	24/48V	48V	48V
AC Input							
DC input volt range	10.5-15V/21-30VDC (Single BAT volt.)						
Mains input volt & freq.	[1]170-275VAC/186-300VAC/85-138VAC/93-250VAC [2]Mains input freq.: 45-65HZ						
Protection [single battery voltage]							
[1]BAT low volt. alarm: 10.5VDC	[2]BAT low volt. protect: 16.7VDC	[3]BAT over volt. protect: 15VDC					
[4]Over power protect: 110% more than rated capacity	[5]Temp. protect: ≥85℃ alarm;≥90℃ sys. shut off						
Output							
Efficiency & Output freq.	[1]≥85%; [2]50/60HZ±1% [BAT mode]						
Output voltage	220VAC±2% / 240VAC±2% / 110VAC±2% / 120VAC±2%						
Output wave form	Single phase & Pure Sine Wave (bypass mode sync to input)						
Output voltage range	220VAC±10% / 240VAC±10% / 110VAC±10% / 120VAC±10%						
Output frequency range	Tracking automatically						
Battery Charging Type	AGM, Deep cycle, Gel ,De sulphation cycle 15.5 for 4 hrs						

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Charging Current	0A / 5A / 10A / 15A / 20A / 25A / 30A	
WORK MODE01	[a]Normal mode	[b]Mains first with AC charging
WORK MODE02	[a]Energy saving mode	[b]Load power≤10% turns off, ≥11%-100% turns on
WORK MODE03	[a]DC first	[b]DC first without AC charging
	[a]When charging:	Battery voltage≥13V, turn converting mode;
	[b]When converting:	Battery voltage≤10.5V, turn AC mains mode.
[1]Transf. time: ≤4ms	[2]Display: LCD	[3]Comm.: RS232
		[4]Temp.: -10-+40℃
		[5]Humidity: <95%
[6]Thermal method:	[a] Cooling fan in intelligent control	[b]≤42℃ fan rotates slowly to ≥45℃ fan rotates fast



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