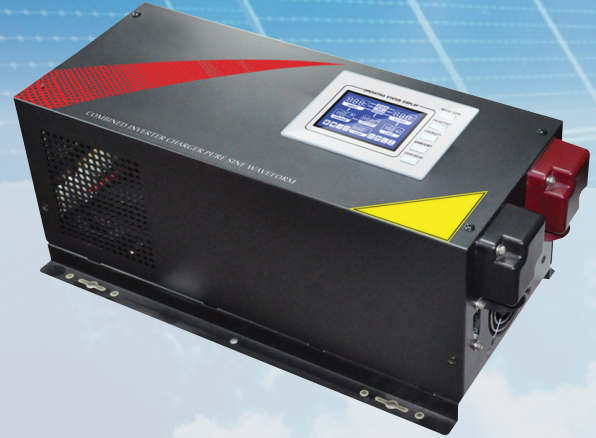


# SUN SB Series

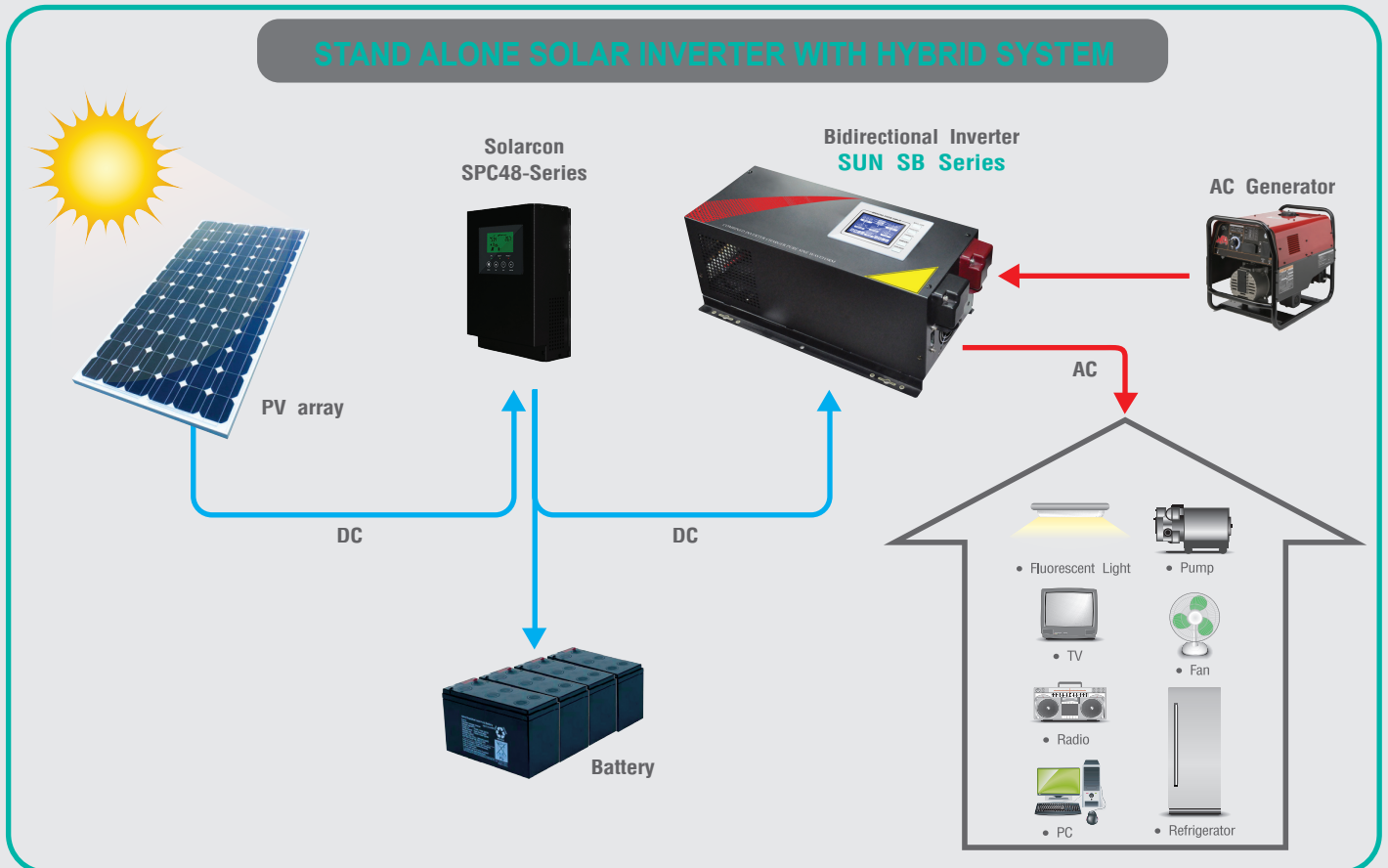
## DSP BIDECTIONAL INVERTER WITH HYBRID SYSTEM

**Features:**

- Advanced DSP digital control technology.
- Bidirectional inverter built in output isolate transformer.
- Pure sine wave THDv <3%(Linear load)
- High efficiency inverter  $\geq 90\%$
- Fast speed automatic transfer time 2-4msec
- Perfect protection function for overload, short circuit and over temperature.
- Automatic low battery shutdown for protect battery.
- Fans cooling automatic speed control.
- Reverse battery polarity protection.
- LCD display friendly & setting parameter..
- Wall mounted( Rackmount and Tower are option)
- Low current of 800mA of no load.
- Fast charging to provide quick and safe for charge battery.
- Intelligent battery management IBM(Optional)
- Remote control panel.
- ISO 9001 and ISO14001 certified manufacturer



### STAND ALONE SOLAR INVERTER WITH HYBRID SYSTEM



# SUN SB Series

## DSP BIDECTIONAL INVERTER WITH HYBRID SYSTEM

MODEL		SB1012	SB2048	SB3048	SB4048	SB5048	SB6048
<b>SYSTEM</b>	Application	Small Island, Resort, Mountain village					
<b>BATTERY SYSTEM</b>	Control & Technology	DSP control Bidirectional Inverter with Hybrid System					
	Normal voltage	12 Vdc	48 Vdc				
	Voltage range	10.5 -15 Vdc	42-60 Vdc				
	Discharge current(Max)	95 Adc	45 Adc	65 Adc	95 Adc	119 Adc	142 Adc
	Capacity	100-250Ah	200-500Ah	300-1000Ah	500-2000Ah	100-250Ah	500-2000Ah
<b>INVERTER SYSTEM</b>	Power continuous	1000W	2000W	3000W	4000W	5000W	6000W
	Output voltage regulation	Battery mode:220 Vac $\pm$ 5% Steady state load, AC mode 185-265 Vac					
	Frequency	Battery mode: 50 Hz $\pm$ 0.1%, AC mode: 45-50 Hz					
	Total harmonic distortion	THDv <3% Linear load, <5% Non linear load(pf 0.8 Lagging Power factor)					
	Wave form	Pure Sine Wave					
	Transfer time	2-4 ms(Battery mode to AC mode)					
	Overload capability	110-120% load for 2min,140-150% load for 60sec., >150% load 20secs.then automatic shutdown					
	Max surge power	200%					
<b>AC CHARGER SYSTEM</b>	Efficiency(Max)	>85%	$\geq$ 90%(half load/full load)				
	Voltage range	185-265 Vac					
	Float voltage charge	13.5-13.8 Vdc	54.0-55.2 Vdc				
	Boost voltage charge	14.2-14.5 Vdc	56.8-58.0 Vdc				
	Charging current(Max)	45A					
<b>COOLING SYSTEM</b>		Automatic fan cooling					
<b>PROTECTION</b>	System	Over current, Overload, Short circuit, Over temperature and Under/Over battery, Over input voltage					
	Input & Output breaker	15A/10A	30A/15A	30A/15A	35A/20A	40A/25A	40A/30A
	IP level	IP20					
<b>LCD DISPLAY &amp; AUDIBLE ALARM</b>	Graphic / Characters	Input voltage, Output voltage, Charger, Battery voltage, Output power, Load, Temperature and Solar inverter mode					
	Alarm	Low battery, Overload, Short circuit and Over temperature					
<b>ENVIRONMENT</b>	Temperature	0 - 45°C					
	Relative humidity	0 - 95%(Non-condensing)					
<b>PHYSICAL (WALL MOUNTED)</b>	Dimension WxDxH(mm.)	227x526x212	227x702x212				
	Weight (kg)	22.8	27.6	32.4	38.2	42.5	44.5

\*Continuous products development is our commitment. In that manner, the above specifications may be changed without prior notice.

Chuphotic.BRO-29.SUN SB Series.Rev1.00/2017

### บริษัท ชูปัทิก จำกัด

949 หมู่ 9 ต.ลำโพงเหนือ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270

โทรศัพท์: 02 186 3010 แฟกซ์: 02 186 3018-9

www.chuphotic.com

E-mail: ups@chuphotic.com

ตัวแทนจำหน่าย :