

Beta Series 1Phase IGBT Solar Power Inverter

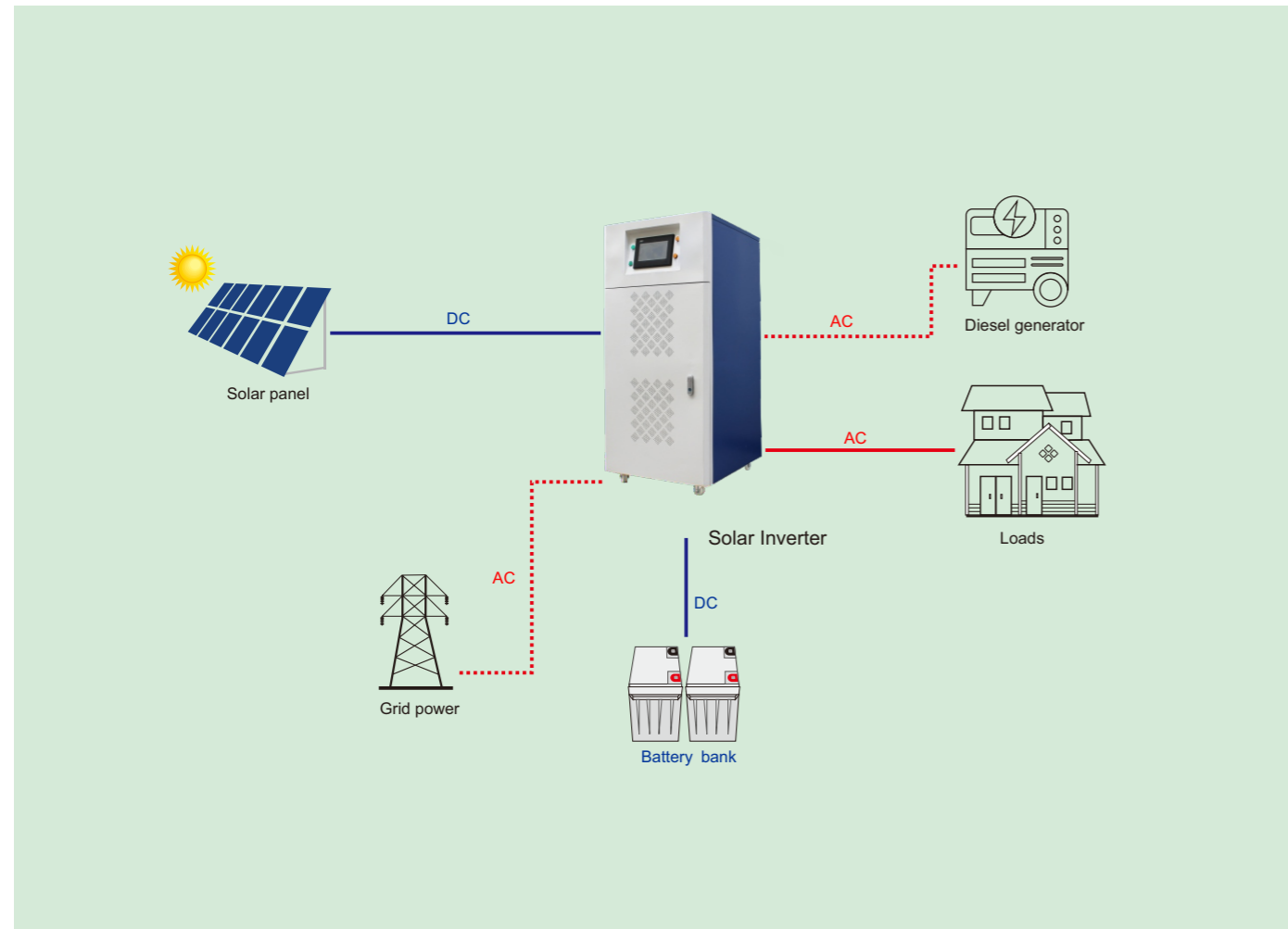
Features

- Parameter settings are available on screen
- Perfect protection function, safe and reliable
- High efficiency IGBT technology, higher efficiency
- Multiple working modes to meet user requirements
- 7-inch touch screen system, more accurate and intuitive
- Built in MPPT control module, and view real-time power generation
- Vector control technology of DSP, MCU and DDC real-time processing

Application



Application diagram



Technical Parameters

Inverter with MPPT	Beta8K	Beta10K	Beta12K	Beta15K	Beta20K
Capacity	8KW	10KW	12KW	15KW	20KW
Battery voltage	192VDC				
Size:(L*W*Hmm)	650*570*1270 (W*D*Hmm)				
package size (L*W*Hmm)	800*710*1440 (W*D*Hmm)				
N.W. (KG)	110	130	160	180	200
G.W.(KG)	140	160	190	210	230

AC Input

Phase	L+N+G
AC input range	220Vac±20%
Input frequency	45Hz~55Hz or 55Hz~65Hz

AC Output

Output voltage	inverter mode: 220Vac±3%;AC mode: 220Vac±20%;
Frequency range (AC mode)	Auto-detect
Frequency range (inverter mode)	50Hz/60Hz±0.1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Crest ratio	3:1 Max.
Transfer time	<10ms
Waveform	Pure sine wave
Harmonic distortion	Linear load<3%;Non-linear load<5%
Balance load voltage	<±1%
Imbalance load voltage	<±5%
Efficiency	85%
Isolation type	output isolation

Battery

Battery capacity	It depends on requirement, need to be big size battery models
Battery number	Must match system DC voltage

Environmental conditions

Operating temperature	0°C-40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m,it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

Built in MPPT (IGBT based)

Battery voltage	192V	
PV input voltage range	260V-400V	
Max charge current	50A	100A
Max PV input	192V:10KW	192V:20KW

Management

Display	7-inch touch screen system
Communication interface	Standard: Rs232 Optional: Rs485

*The specifications, dimensions and materials are subject to change without further notice.