

CPM Series 3Phase Solar Inverter

Product features

- Vector control technology of DSP, MCU and DDC real-time processing
- High efficiency IGBT technology, higher efficiency
- 7-inch touch screen system is more accurate and intuitive
- Perfect protection function, safe and reliable
- Parameters can be modified online
- Multiple working modes to meet user requirements
- Built in MPPT control module and view real-time power

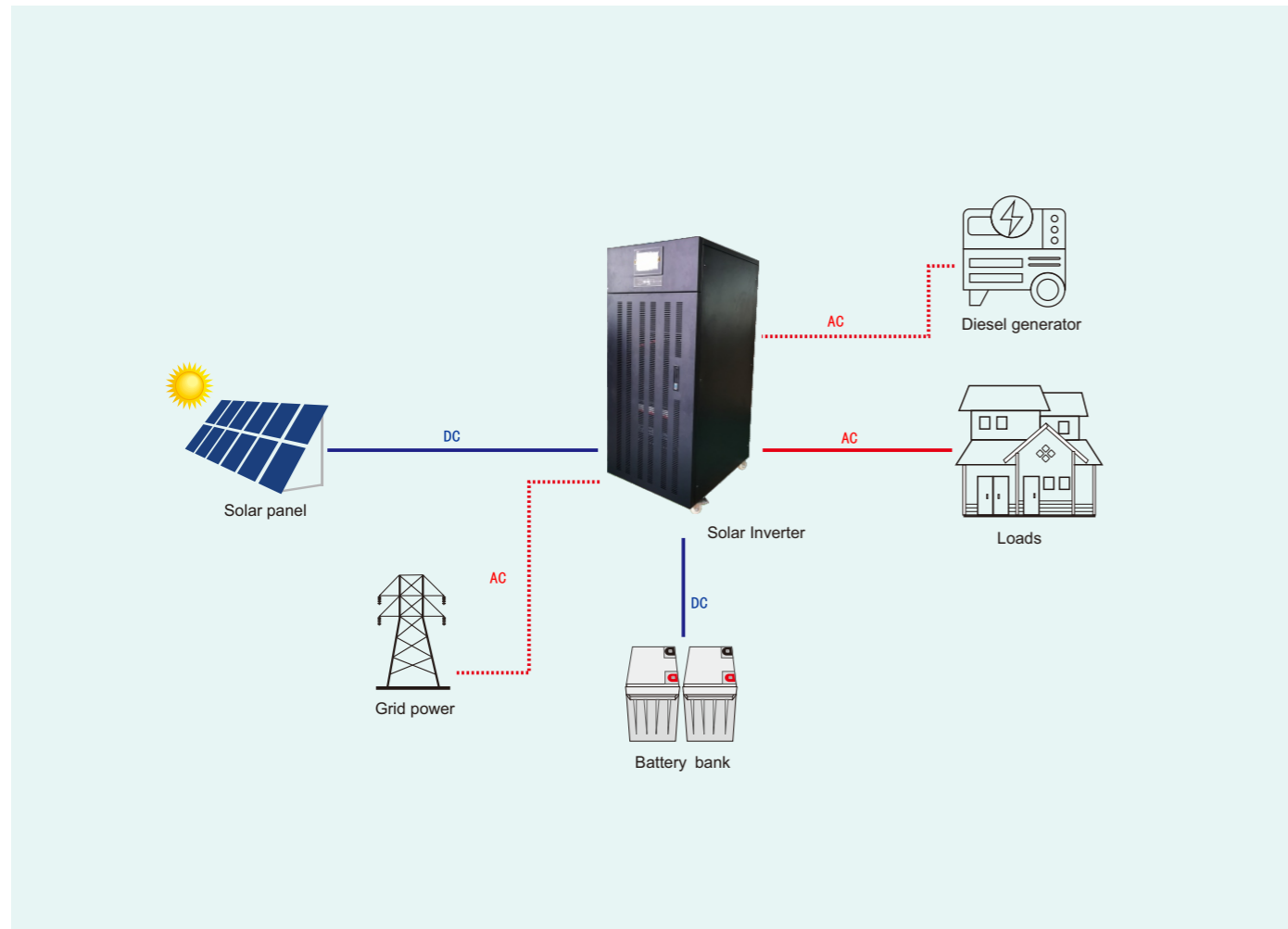


Application



Residential Hotel Villa Ship/island Farm No electricity area Factory

Application diagram



Technical Parameters

Mode	CPM8K	CPM10K	CPM15K	CPM20K	CPM25K	CPM30K	CPM40K
Capacity	8KW	10KW	15KW	20KW	25KW	30KW	40KW
Battery voltage	192/220/360/384VDC						
Size:(L*W*Hmm)	800*670*1550 (W*D*Hmm)						
package size (L*W*Hmm)	1070*820*1680 (W*D*Hmm)						
N.W. (KG)	140	150	220	250	280	310	310
G.W.(KG)	175	185	255	285	315	345	345

Input

Phase	Three-phase+N+G
AC input range	380VAC±20%
Input frequency	45Hz~55Hz

Output

Output voltage	inverter mode: 380Vac±3%;AC mode: 380Vac±20%;
Frequency range (AC mode)	45Hz~55Hz
Frequency range (inverter mode)	50Hz±0.1Hz
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Peak current ratio	3:1max
Conversion time	<10ms
Waveform	Pure sine wave
Harmonic distortion	Linear load<3%;Non-linear load<5%
Balance load voltage	<±1%
Imbalance load voltage	<±5%
Efficiency	98%
Isolation type	output isolation

Battery

battery capacity	It depends on the use
battery number	It depends on the use

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)

MPPT controller

Battery voltage	192V	220V	360V	384V
PV input voltage range	260V-400V		450V-750V	
Max charge current	50A		100A	
Max PV input	192V: 10KW, 220V: 11KW 360V: 18KW, 384V: 19KW		192V: 20KW, 220V: 22KW 360V: 36KW, 384V: 38KW	

Management

Display	7inch touch screen system
Computer communication interface	RS232, (485, Network remote monitoring options)

*The above data is for reference. If there is any change, please refer to the real object.