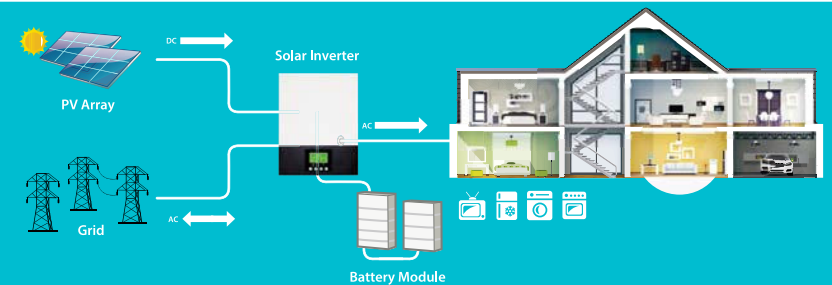


Keeping drive the world

Your trusted provider of energy and industrial control solutions



Solar Mppt inverter



MPPT SOLAR INVERTER

Off Grid Inverter



System connection



Product Features

- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range 120-450V
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Support working without battery



Max.Efficiency
98%



80A MPPT



IP21
Ingress Protection



RS232/GPRS
WIFI



LCD Display

Technical Specification

Line Mode Specifications	QB15-24	QB30-24
Rated Output Power	1500VA / 1500W	3000VA / 3000W
Input Voltage Waveform	Sinusoidal (utility or generator)	
Nominal Input Voltage	230Vac	
Low Loss Voltage	170Vac ± 7V (UPS)	
	90Vac ±7V (Appliances)	
Low Loss Return Voltage	180Vac ±7V(UPS)	
	100Vac ±7V(Appliances)	
High Loss Voltage	280Vac ±7V	
High Loss Return Voltage	270Vac ±7V	
Max AC Input Voltage	300Vac	
Nominal Input Frequency	50Hz/ 60Hz (Auto detection)	
Low Loss Frequency	40 ±1Hz	
Low Loss Return Frequency	42 ±1Hz	
High Loss Frequency	65 ±1Hz	
High Loss Return Frequency	63 ±1Hz	
Output Short Circuit Protection	Circuit Breaker	
Efficiency (Line Mode)	>95%(Rated R load, battery full charged)	
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)	
Inverter Mode Specifications		
Output Voltage Waveform	Pure Sine wave	
Output Voltage Regulation	230Vac ± 5%	
Outp0ut Frequency	50Hz	
Peak Efficiency	91%	
Overload Protection	5s@=150% load; 10s@110% -150% load	
Surge Capacity	2* rated power for 5 seconds	
Nominal DC Input Voltage	24Vdc	24Vdc
Cold Start Voltage	23.0Vdc	23.0Vdc
Low DC Warning Voltage		
@load <50%	22.0Vdc	22.0Vdc
@load >50%	21.0Vdc	21.0Vdc
Low DC Warning Return Voltage		
@load <50%	22.5Vdc	22.5Vdc
@load >50%	22.0Vdc	22.0Vdc
Low DC Cut off Voltage		
@load <50%	20.5Vdc	20.5Vdc
@load >50%	20.0Vdc	20.0Vdc
High DC Recovery Voltage Frequency	32Vdc	32Vdc
High DC Cut off Voltage	33Vdc	33Vdc
No Load Power Consumption	<30W	<30W
Charging Mode Specifications		
Charging Algorithm	3-Step	
AC Charging Current(Max)	60Amp	60Amp
Bulk Charging Voltage Flooded Battery	29.2	29.2
	28.2	28.2
Floating Charging Voltage AGM/Gel Battery	27Vdc	27Vdc
MPPT Solar Charging Mode		
Max PV Array Power	2000W	3000W
Nominal PV Voltage	240Vdc	
PV Array MPPT Voltage Range	90 -430Vdc	
Max PV Array Open Circuit Voltage	450Vdc	
Max Charging Current (AC charger plus solar charger)	80Amp	80Amp
Maxmiun Solar Charging Current	80Amp	80Amp
Safety Certification	CE	
Operating Temperature Range	-10°C~50°C	
Storage Temperature	-15°C~60°C	
Humidity	5% to 95%Relative Humidity(Non-condensing)	
Dimension (D*W*H),mm	348X270X95	
Net Weight, kg	4	5



Solar



PC



TV



Fan



Home Appliance

MPPT SOLAR INVERTER

Off Grid Inverter



System connection



Product Features

- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range 120-450V
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Support working without battery



Technical Specification

Line Mode Specifications	QB42-24		QB62-48
Rated Output Power	4200VA/4200W		6200VA/6200W
Input Voltage Waveform	Sinusoidal (utility or generator)		
Nominal Input Voltage	230Vac		
Low Loss Voltage	170Vac ± 7V (UPS)		
	90Vac ±7V (Appliances)		
Low Loss Return Voltage	180Vac ±7V(UPS)		
	100Vac ±7V(Appliances)		
High Loss Voltage	280Vac ±7V		
High Loss Return Voltage	270Vac ±7V		
Max AC Input Voltage	300Vac		
Nominal Input Frequency	50Hz/ 60Hz (Auto detection)		
Low Loss Frequency	40 ±1Hz		
Low Loss Return Frequency	42 ±1Hz		
High Loss Frequency	65 ±1Hz		
High Loss Return Frequency	63 ±1Hz		
Output Short Circuit Protection	Circuit Breaker		
Efficiency (Line Mode)	>95%(Rated R load, battery full charged)		
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)		
Inverter Mode Specifications			
Output Voltage Waveform	Pure Sine wave		
Output Voltage Regulation	230Vac ± 5%		
Outp0ut Frequency	50Hz		
Peak Efficiency	91%		
Overload Protection	5s@=150% load; 10s@110% -150% load		
Surge Capacity	2* rated power for 5 seconds		
Nominal DC Input Voltage	24Vdc		48Vdc
Cold Start Voltage	23.0Vdc		47.0Vdc
Low DC Warning Voltage			
@load <50%	22.0Vdc		46.0Vdc
@load >50%	21.0Vdc		45.0Vdc
Low DC Warning Return Voltage			
@load <50%	22.5Vdc		46.5Vdc
@load >50%	22.0Vdc		46.0Vdc
Low DC Cut off Voltage			
@load <50%	20.5Vdc		44.5Vdc
@load >50%	20.0Vdc		44.0Vdc
High DC Recovery Voltage Frequency	32Vdc		56Vdc
High DC Cut off Voltage	33Vdc		57Vdc
No Load Power Consumption	<30W		<30W
Charging Mode Specifications			
Charging Algorithm	3-Step		
AC Charging Current(Max)	100A		100A
Bulk Charging Voltage Flooded Battery	29.2		52
	28.2		51
Floating Charging Voltage AGM/Gel Battery	27Vdc		50Vdc
MPPT Solar Charging Mode			
Max PV Array Power	4500W		6500W
Nominal PV Voltage		240Vdc	
PV Array MPPT Voltage Range		90 -430Vdc	
Max PV Array Open Circuit Voltage		450Vdc	
Max Charging Current (AC charger plus solar charger)	120A		120A
Maxmiun Solar Charging Current	120A		120A
Safety Certification	CE		
Operating Temperature Range	-10°C~50°C		
Storage Temperature	-15°C~60°C		
Humidity	5% to 95%Relative Humidity(Non-condensing)		
Dimension (D*W*H),mm	420*350*110		
Net Weight, kg	10		12

