

Low Frequency Pure Sine Wave Inverter

API-10K (10000VA/8000W)



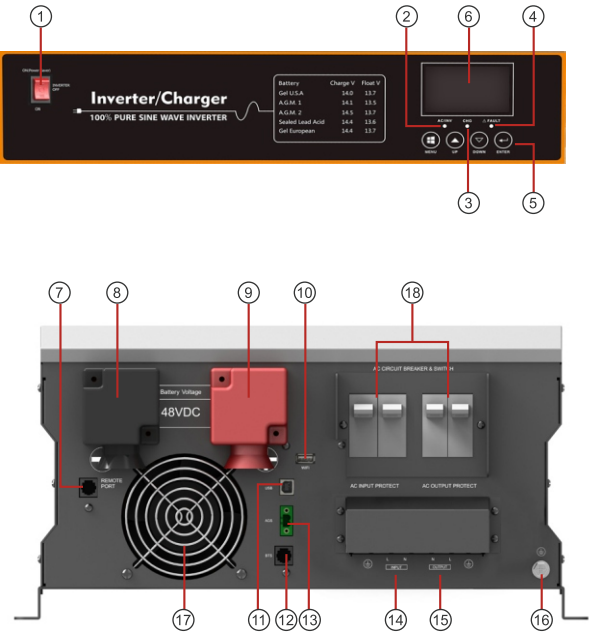
Features

- Power inverter 10kVA/ 8kW
- Pure sine wave output
- Max 100A automatic 3-stage battery charger
- Charger current is Adjustable (0-100%)
- Automatically send signal to start generator
- Supporting USB communication and BTS & AGS port
- Battery/AC priority

Introduction

Low frequency pure sine wave combined inverter&A/C charger API-10K (10000VA / 8000W); Quiet,high efficiency operation front panel LED+LCD indicators and adjustable switch selectors selectable settings for flooded lead acid,Gel,or absorbed glass mat(AGM) batteries. Mainly for home and office appliances such as TV, refrigerator, fans lights and computers etc.

Back panel printing description



1. Power saver on/off switch

2. Inverter indicator

3. Grid indicator

4. Fault indicator

5. Function

6. LCD display

7. Remote panel

8. BAT-

9. BAT+

10.WIFI Communication port

11.USB Communication port

12.BTS Communication port

13.AGS Communication port

14.AC input

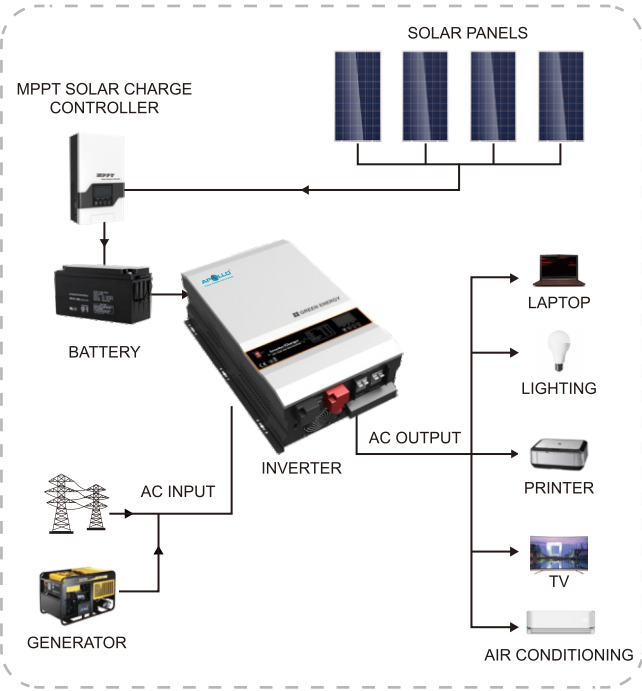
15.AC output

16.Ground

17.FAN

18.AC input/output breaker

Solar system connection



Specification

MODEL		API-10K 10KVA / 8KW
Nominal Battery System Voltage		48VDC
INVERTER OUTPUT	Continuous output power	8.0KW
	Surge rating	24000VA
	Capable Of Starting Electric Motor	4HP
	Output waveform	Pure sine wave / same as input (bypass mode)
	Inverter Efficiency(Peak)	>88%
	Line mode efficiency	>95%
	Power factor	0.8
	Nominal output voltage RMS	220V / 230V / 240VAC ±10% (RMS)
	Output frequency	50Hz
	Short circuit protection	Yes (1sec after fault)
	Typical transfer time	10ms(max)
AC INPUT	Voltage	90-280VAC
	Selectable Voltage Range	170-280VAC(For Personal Computers)
	Frequency Range	50Hz / 60Hz
BATTERY	Minimum start voltage	40.0V±0.6 / 42.0V±0.6
	Low battery alarm	42-50VDC
	Low battery Cutoff	40.0V±0.6 / 42.0V±0.6
	High voltage alarm	60VDC
	High battery voltage recover	57VDC
	Idle consumption-search mode	<60W when power saver on
CHARGER	Output voltage	Depends on battery type
	Charger AC input breaker rating	80A
	Max charge power rate	1/3 Rating power
	Overcharge protection S.D.	62.8VDC
	Maximum Charge Current	100A
BTS	Temperature rate @25°C	4mv charging voltage descent, per 1°C rise
BYPASS & PROTECTION	Input voltage waveform	Sine wave (grid or generator)
	Nominal voltage	220V / 230V / 240VAC
	Max input AC voltage	300VAC for 230VAC HV mode
	Nominal input frequency	50Hz or 60Hz
	Overload protection (SMPS load)	Circuit breaker
	Output short circuit protection	Circuit breaker
	Bypass breaker rating	63A
	Max bypass current	63Amp
MECHANICAL SPECIFICATIONS	Mounting	Wall mount
	Machine Dimension (W*H*D)	415 * 215 * 680mm
	Package Dimension (W*H*D)	565 * 445 * 830mm
	G.W	75 kg
	N.W	60 kg
OTHER	Operation Temperature Range	0°C to 40°C
	Storage Temperature	-15°C to 60°C
	Audible Noise	60bB MAX
	Display	LED+LCD
	Loading(20GP/40GP/40HQ)	200pcs / 400pcs / 500pcs