

# AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER

SMART LIGHT STORAGE, WHATEVER YOU WANT - BUILD YOUR PRIVATE POWER KINGDOM



## Features

- 1、High frequency design, high power density, small size, high efficiency;
- 2、Two-way energy storage design, can realize the two-way flow control of electric energy, photovoltaic and mains can charge the battery;
- 3、Ultra-wide MPPT range, up to 40Vdc(24V model) / 80Vdc (48V model);
- 4、The working mode can be set (grid-connected mode, off-grid mode, mixed mode);
- 5、With grid-connected current setting function;
- 6、Output priority setting function
- 7、With charging priority setting function
- 8、With lithium battery BMS communication function
- 9、Support battery-free operation mode

## Application



Residential



Office



Network Equipment



Household appliance



Telecom



Power station

**INNOVATION BREAKTHROUGH**  
LAUNCHED PANORAMIC HOME GREEN SOLUTIONS



## Technical Parameters

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER

PRODUCT MODEL	123248
PHOTOVOLTAIC INPUT POWER	6000W*2
MPPT TRACKS VOLTAGE RANGE	80VDC-450VDC
PV INPUT VOLTAGE VOC	500VDC
PHOTOVOLTAIC INPUT CURRENT	22A*2
MPPT TRACK NUMBER INPUT TRACK NUMBER	ROUTE 2
RATED BATTERY VOLTAGE	48VDC
BATTERY VOLTAGE RANGE	42~60VDC
PHOTOVOLTAIC CHARGING CURRENT	180A
MAINS CHARGING CURRENT	120A
MAXIMUM CHARGING CURRENT	180A
BATTERY TYPE	VALVE HOLE TYPE LEAD-ACID BATTERY \ LITHIUM BATTERY
INPUT CELL ACCURACY	±2%
RATED OUTPUT POWER	10300VA
RATED OUTPUT VOLTAGE	220VAC\230VAC\240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	46.7A\44.9A\42.9A
POWER FACTOR	>0.98(RATED POWER)
COMMUNICATION FUNCTION	RS485\ MOBILE APP (WIFI MONITORING OR GPS MONITORING) OPTIONAL
CLASS OF PROTECTION	IP20
INSTALLATION MODE	WALL-MOUNTED
PRODUCT SIZE	535*462*117
PACKAGE SIZE	630*557*212
NET WEIGHT	14.7KG