

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	40224
PHOTOVOLTAIC INPUT POWER	5000W
MPPT TRACKS VOLTAGE RANGE	40VDC-450VDC
PV INPUT VOLTAGE VOC	500VDC
PHOTOVOLTAIC INPUT CURRENT	18A
MPPT TRACK NUMBER INPUT TRACK NUMBER	ROUTE 1
RATED BATTERY VOLTAGE	24VDC
BATTERY VOLTAGE RANGE	21~30VDC
PHOTOVOLTAIC CHARGING CURRENT	120A
MAINS CHARGING CURRENT	80A
MAXIMUM CHARGING CURRENT	120A
BATTERY TYPE	VALVE HOLE TYPE LEAD-ACID BATTERY \ LITHIUM BATTERY
INPUT CELL ACCURACY	±2%
RATED OUTPUT POWER	4000VA
RATED OUTPUT VOLTAGE	220VAC\230VAC\240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	14.5A\13.9A\13.3A
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	325*275*102
PACKAGE SIZE	400*330*167
NET WEIGHT	5.5KG