



ONE-STOP HOME ENERGY STORAGE

- Tel:+8615830098724
- Email:yijia@aoqianggroup.com
- Web:www.yijiasolar.com

Beijing YJ International Trading Co.,Ltd

THE ULTIMATE PORTABLE MOBILE POWER SUPPLY
ANYTIME FOR YOUR LIFE TO CONTINUE, EXPLORE UNLIMITED POSSIBILITIES

AQ LITHIUM IRON PHOSPHATE BATTERY PACK 24200/48100

HOUSEHOLD ENERGY STORAGE



Features

- 1、Lithium iron phosphate battery pack: 80% DOD, more than 6000 cycles warranty period: 3 years
- 2、Higher energy density, smaller home size. Long life and safety.
- 3、Solar energy system: The battery pack is designed for home solar energy systems.
- 4、Battery management system (BMS) : the battery pack built-in BMS to monitor its operation, to prevent battery operation beyond the design limit.
- 5、Expansion ability: the battery pack can be easily expanded by parallel expansion battery pack
- 6、Panel pattern support customization

Application



Residential



Office



Network Equipment



Household appliance



Telecom



Power station

INNOVATION BREAKTHROUGH
LAUNCHED PANORAMIC HOME GREEN SOLUTIONS



Technical Parameters

AQ WALL MOUNTED BATTERY PACK

PRODUCT MODEL	24200/48100
ARGUMENT	
RATED POWER	5.12KWH
NOMINAL VOLTAGE	25.6VDC/51.2VDC
OPERATING VOLTAGE	22.4VDC/28.8VDC/44.8VDC-57.6VDC
BATTERY TYPE	LIFEPO4 LITHIUM IRON PHOSPHATE
BATTERY CAPACITY	200AH/100AH
RATED ENERGY	5.12KWH
BATTERY TYPE	8S2P/16S1P
SOC	10-100%
CHARGING CURRENT	0.5C
DISCHARGE CURRENT	0.5C
BATTERY MANAGEMENT SYSTEM	MULTI-POINT MONITORING BMS MANAGEMENT SYSTEM
SCALABLE (PARALLEL FUNCTION)	MAX 16 UNITS
PROTECTION	Battery undervoltage protection/battery overvoltage protection battery overvoltage recovery voltage/overload power protection short circuit protection/temperature protection
CYCLE LIFE (0.5C&25°C)	6000 cycles@0.5C:80%DOD
QUALITY GUARANTEE	THREE YEARS
OPERATING TEMPERATURE	CHARGE: 0~45°C, DISCHARGE: -10-45°C
STORAGE TEMPERATURE	-20~50°C
CLASS OF PROTECTION	IP20
COOLING MODE	NATURAL COOLING
COMMUNICATION MODE	RS232/RS485/CAN communication (can communicate with mainstream inverters on the market)
OPERATING TEMPERATURE	-15 °C ~40 °C
RELATIVE HUMIDITY	0-95% NO CONDENSATION
RELEVANT CERTIFICATE	MSDS, UN38.3, CE, IEC626199 (BATTERY), UL (BATTERY)



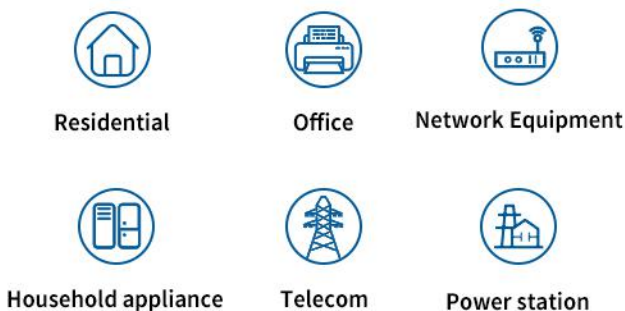
AQ LITHIUM IRON PHOSPHATE BATTERY PACK 48200

HOUSEHOLD ENERGY STORAGE

Features

- 1、Lithium iron phosphate battery pack: 80% DOD, more than 6000 cycles warranty period: 3 years
- 2、Higher energy density, smaller home size. Long life and safety.
- 3、Solar energy system: The battery pack is designed for home solar energy systems.
- 4、Battery management system (BMS) : the battery pack built-in BMS to monitor its operation, to prevent battery operation beyond the design limit.
- 5、Expansion ability: the battery pack can be easily expanded by parallel expansion battery pack
- 6、Panel pattern support customization

Application



Technical Parameters

AQ WALL MOUNTED BATTERY PACK	
PRODUCT MODEL	48200
ARGUMENT	
RATED POWER	10.24KWH
NOMINAL VOLTAGE	51.2VDC
OPERATING VOLTAGE	44.8VDC-57.6VDC
BATTERY TYPE	LIFEPO4 LITHIUM IRON PHOSPHATE
BATTERY CAPACITY	200AH
RATED ENERGY	10.24KWH
BATTERY TYPE	16S1P
SOC	10-100%
CHARGING CURRENT	0.5C
DISCHARGE CURRENT	0.5C
BATTERY MANAGEMENT SYSTEM	MULTI-POINT MONITORING BMS MANAGEMENT SYSTEM
SCALABLE (PARALLEL FUNCTION)	MAX 16 UNITS
PROTECTION	Battery undervoltage protection/battery overvoltage protection battery overvoltage recovery voltage/overload power protection short circuit protection/temperature protection
CYCLE LIFE (0.5C&25°C)	6000 cycles@0.5C:80%DOD
QUALITY GUARANTEE	THREE YEARS
OPERATING TEMPERATURE	CHARGE: 0~45°C, DISCHARGE: -10-45°C
STORAGE TEMPERATURE	-20~50°C
CLASS OF PROTECTION	IP20
COOLING MODE	NATURAL COOLING
COMMUNICATION MODE	RS232/RS485/CAN communication (can communicate with mainstream inverters on the market)
OPERATING TEMPERATURE	-15 °C ~40 °C
RELATIVE HUMIDITY	0-95% NO CONDENSATION
RELEVANT CERTIFICATE	MSDS, UN38.3, CE, IEC626199 (BATTERY), UL (BATTERY)



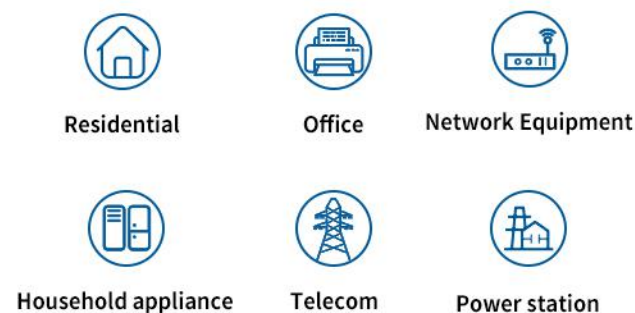
AQ LITHIUM IRON PHOSPHATE BATTERY PACK 48300

HOUSEHOLD ENERGY STORAGE

Features

- 1、Lithium iron phosphate battery pack: 80% DOD, more than 6000 cycles warranty period: 3 years
- 2、Higher energy density, smaller home size. Long life and safety.
- 3、Solar energy system: The battery pack is designed for home solar energy systems.
- 4、Battery management system (BMS) : the battery pack built-in BMS to monitor its operation, to prevent battery operation beyond the design limit.
- 5、Expansion ability: the battery pack can be easily expanded by parallel expansion battery pack
- 6、Panel pattern support customization

Application



Technical Parameters

AQ WALL MOUNTED BATTERY PACK	
PRODUCT MODEL	48300
ARGUMENT	
RATED POWER	15.36KWH
NOMINAL VOLTAGE	51.2VDC
OPERATING VOLTAGE	44.8VDC-57.6VDC
BATTERY TYPE	LIFEPO4 LITHIUM IRON PHOSPHATE
BATTERY CAPACITY	300AH
RATED ENERGY	15.36KWH
BATTERY TYPE	16S1P
SOC	10-100%
CHARGING CURRENT	0.5C
DISCHARGE CURRENT	0.5C
BATTERY MANAGEMENT SYSTEM	MULTI-POINT MONITORING BMS MANAGEMENT SYSTEM
SCALABLE (PARALLEL FUNCTION)	MAX 16 UNITS
PROTECTION	Battery undervoltage protection/battery overvoltage protection battery overvoltage recovery voltage/overload power protection short circuit protection/temperature protection
CYCLE LIFE (0.5C&25°C)	6000 cycles@0.5C:80%DOD
QUALITY GUARANTEE	THREE YEARS
OPERATING TEMPERATURE	CHARGE: 0~45°C, DISCHARGE: -10-45°C
STORAGE TEMPERATURE	-20~50°C
CLASS OF PROTECTION	IP20
COOLING MODE	NATURAL COOLING
COMMUNICATION MODE	RS232/RS485/CAN communication (can communicate with mainstream inverters on the market)
OPERATING TEMPERATURE	-15 °C ~40 °C
RELATIVE HUMIDITY	0-95% NO CONDENSATION
RELEVANT CERTIFICATE	MSDS, UN38.3, CE, IEC626199 (BATTERY), UL (BATTERY)




AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER 33224KW (4KVA)

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



Technical Parameters

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER	
PRODUCT MODEL	33224KW(4KVA)
VOLT INPUT POWER	5000W
MPPT TRACKS VOLTAGE RANGE	40VDC-450VDC
RATED INPUT VOLTAGE	360VDC
PV INPUT VOLTAGE VOC	450VDC
MAXIMUM PHOTOVOLTAIC INPUT CURRENT	18A
MPPT TRACK NUMBER	ROUTE 1
RATED BATTERY VOLTAGE	24VDC
BATTERY VOLTAGE RANGE	21~30VDC
PHOTOVOLTAIC CHARGING CURRENT	120A
MAINS CHARGING CURRENT	80A
CHARGING CURRENT	120A
RATED OUTPUT POWER	3300W
RATED OUTPUT VOLTAGE	220VAC/230VAC/240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
RATED OUTPUT FREQUENCY	50HZ/60HZ
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	13.9A
POWER FACTOR	>0.98(RATED POWER)
COMMUNICATION FUNCTION	RS485/ MOBILE APP (WIFI MONITORING OR GPRS MONITORING) OPTIONAL
CLASS OF PROTECTION	IP20
INSTALLATION MODE	WALL-MOUNTED
PRODUCT SIZE	325*275*102
PACKAGE SIZE	400*330*167
NET WEIGHT	6KG

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER 63248KW(8KVA)

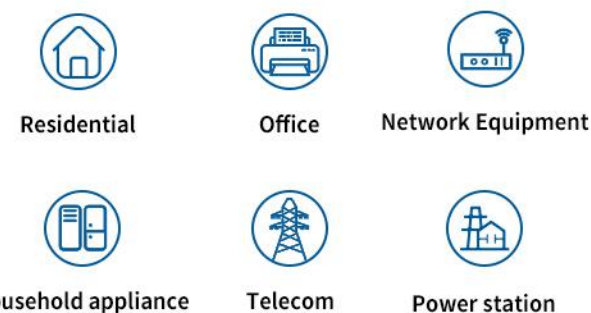
SMART LIGHT STORAGE, WHATEVER YOU
WANT - BUILD YOUR PRIVATE POWER KINGDOM



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



INNOVATION BREAKTHROUGH
LAUNCHED PANORAMIC HOME GREEN SOLUTIONS

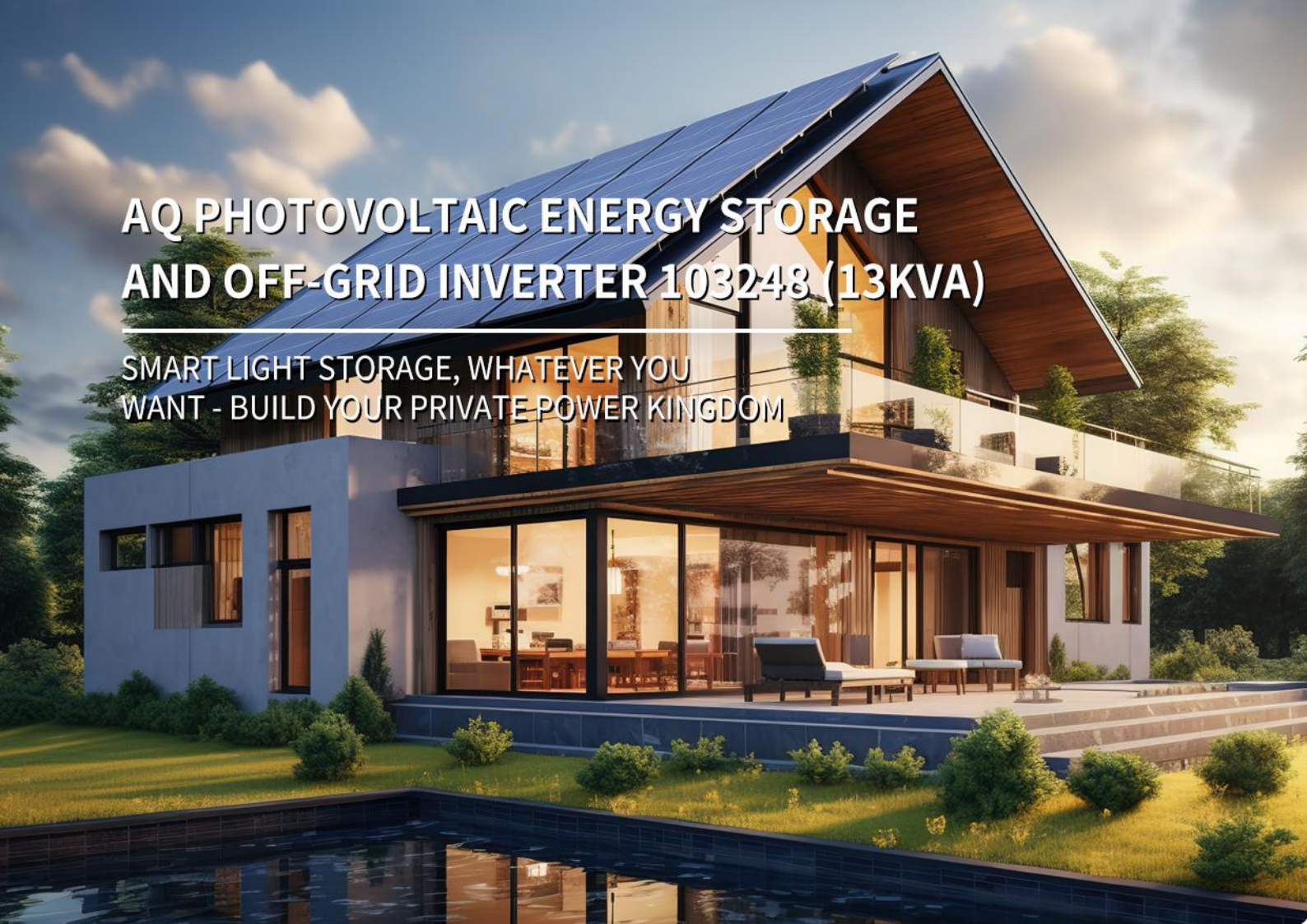


Technical Parameters

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER	
PRODUCT MODEL	63248KW(8KVA)
VOLT INPUT POWER	7000W
MPPT TRACKS VOLTAGE RANGE	80VDC-450VDC
RATED INPUT VOLTAGE	360VDC
PV INPUT VOLTAGE VOC	450VDC
MAXIMUM PHOTOVOLTAIC INPUT CURRENT	27A
MPPT TRACK NUMBER	ROUTE 1
RATED BATTERY VOLTAGE	48VDC
BATTERY VOLTAGE RANGE	42~60VDC
PHOTOVOLTAIC CHARGING CURRENT	120A
MAINS CHARGING CURRENT	80A
CHARGING CURRENT	120A
RATED OUTPUT POWER	6300W
RATED OUTPUT VOLTAGE	220VAC/230VAC/240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
RATED OUTPUT FREQUENCY	50HZ/60HZ
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	27.4A
POWER FACTOR	>0.98(RATED POWER)
COMMUNICATION FUNCTION	RS485/ MOBILE APP (WIFI MONITORING OR GPRS MONITORING) OPTIONAL
CLASS OF PROTECTION	IP20
INSTALLATION MODE	WALL-MOUNTED
PRODUCT SIZE	390*320*112
PACKAGE SIZE	465*375*187
NET WEIGHT	8.5KG

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER 103248 (13KVA)

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	103248 (13KVA)
VOLT INPUT POWER	6000W*2
MPPT TRACKS VOLTAGE RANGE	80VDC-450VDC
RATED INPUT VOLTAGE	360VDC
PV INPUT VOLTAGE VOC	450VDC
MAXIMUM PHOTOVOLTAIC INPUT CURRENT	22A*2
MPPT TRACK NUMBER	ROUTE 2
RATED BATTERY VOLTAGE	48VDC
BATTERY VOLTAGE RANGE	42~60VDC
PHOTOVOLTAIC CHARGING CURRENT	180A
MAINS CHARGING CURRENT	120A
CHARGING CURRENT	180A
RATED OUTPUT POWER	10.3KW
RATED OUTPUT VOLTAGE	220VAC/230VAC/240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
RATED OUTPUT FREQUENCY	50HZ/60HZ
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	44.9A
POWER FACTOR	>0.98(RATED POWER)
COMMUNICATION FUNCTION	RS485/ MOBILE APP (WIFI MONITORING OR GPRS MONITORING) OPTIONAL
CLASS OF PROTECTION	IP20
INSTALLATION MODE	WALL-MOUNTED
PRODUCT SIZE	535*462*117
PACKAGE SIZE	615*527*192
NET WEIGHT	15.5KG




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



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

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER

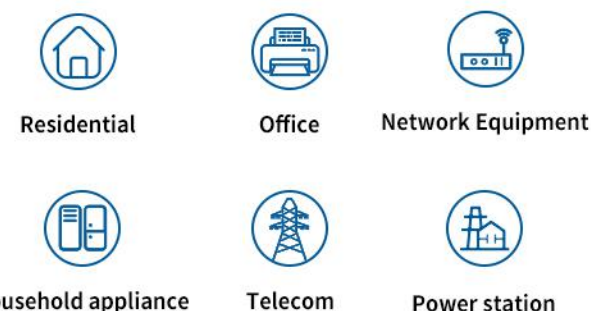
SMART LIGHT STORAGE, WHATEVER YOU WANT - BUILD YOUR PRIVATE POWER KINGDOM



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



Technical Parameters

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER	
PRODUCT MODEL	80248
PHOTOVOLTAIC INPUT POWER	7000W
MPPT TRACKS VOLTAGE RANGE	80VDC-450VDC
PV INPUT VOLTAGE VOC	500VDC
PHOTOVOLTAIC INPUT CURRENT	27A
MPPT TRACK NUMBER INPUT TRACK NUMBER	ROUTE 1
RATED BATTERY VOLTAGE	48VDC
BATTERY VOLTAGE RANGE	42~60VDC
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	8000VA
RATED OUTPUT VOLTAGE	220VAC\230VAC\240VAC
OUTPUT VOLTAGE RANGE	187VAC~264VAC
FREQUENCY RANGE	47HZ~52(50HZ),57HZ~62HZ(60HZ)
RATED OUTPUT CURRENT	28.6A\27.4A\26.2A
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	390*320*112
PACKAGE SIZE	465*375*187
NET WEIGHT	8KG

AQ PHOTOVOLTAIC ENERGY STORAGE AND OFF-GRID INVERTER

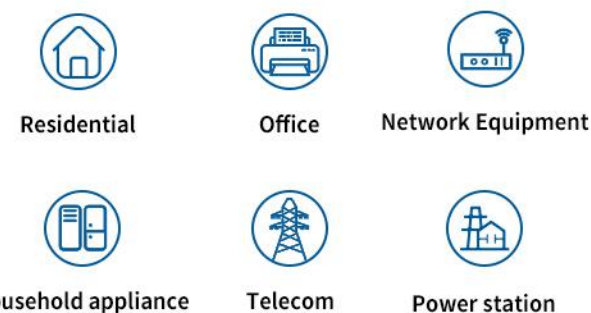
SMART LIGHT STORAGE, WHATEVER YOU WANT - BUILD YOUR PRIVATE POWER KINGDOM



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



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