UPS Power Supply
Model: QH-033

1. Product Introduction

This product is a portable, off-grid UPS power supply, small in size and large in capacity. It utilizes the latest lithium iron phosphate batteries and a pure sine wave inverter to perfectly combine DC power with uninterrupted AC power, and can also provide stable 5V and 12V DC output. It provides continuous DC and AC power for computers and other smart home electronic devices, in case of mains power outages or outdoor power shortages.
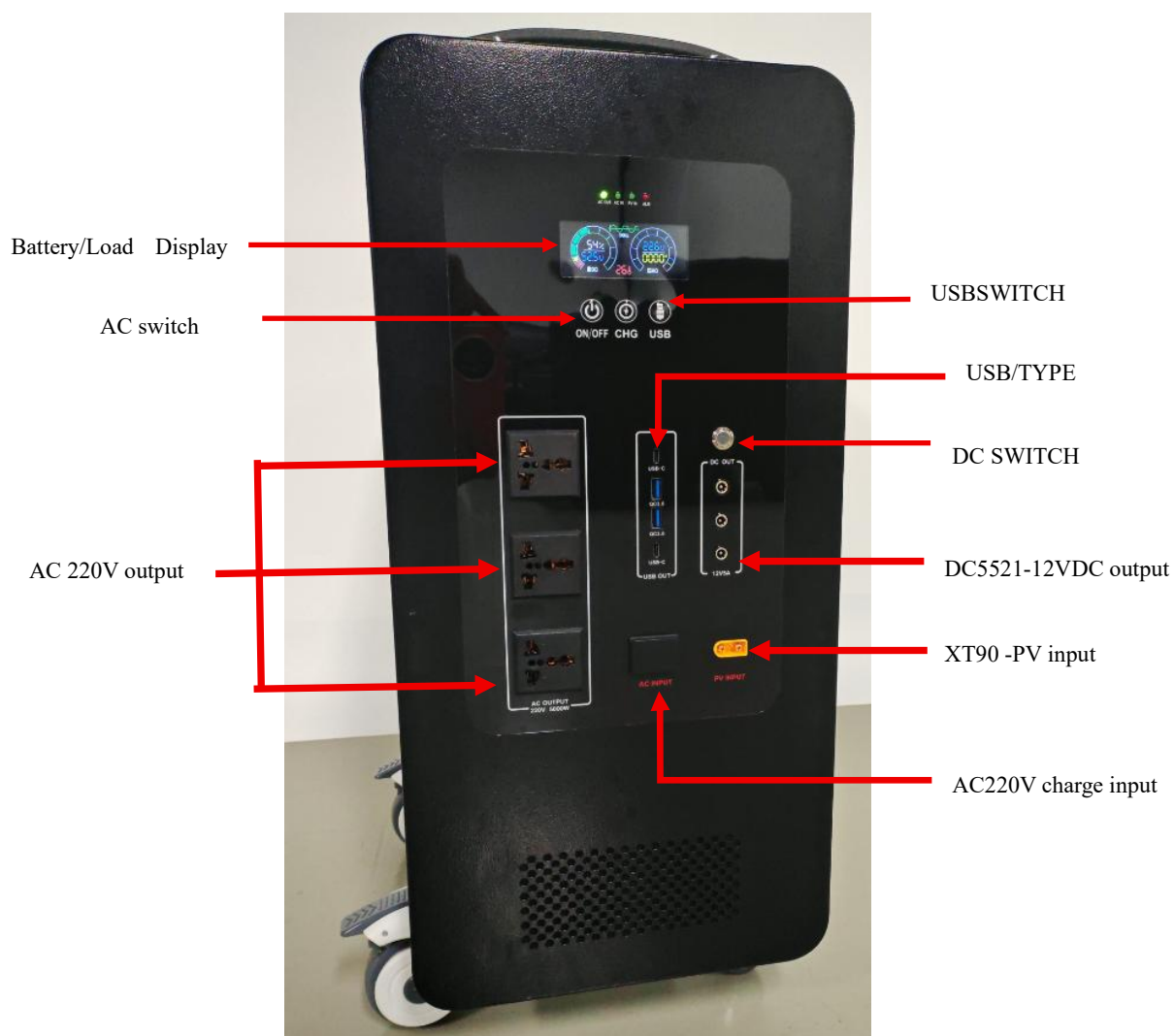
This specification applies to the product: QH-033 (AC3KW inverter + DC3KWh energy storage)

Key functions include:

➢ AC220V discharge: continuous 3KW output; AC220V charging: 1000W 5A.

➢ DC: 3 x 12V 5A interfaces, 2 x USB interfaces, 2 x TYPE-C interfaces.

➢ Display: Color panel display, accurately showing remaining power, load power, and device temperature.

➢ Heat dissipation: high-speed silent fan for heat dissipation;

➢ built-in MPPT solar controller; supports 18V-80V 2500W solar panel charging.

2. Appearance

3KW+3KWH

5KW+5KWH

Battery/Load Display

AC switch

USBSWITCH

USB/TYPE

DC SWITCH

AC 220V output

DC5521-12VDC output

XT90 -PV input

AC220V charge input

3. Major Technical Parameters:

Built-in lithium battery pack specifications	Lithium iron phosphate 25.6V 120Ah 3072Wh
3KW inverter	Pure sine wave 3000W, instantaneous peak: 3500W
AC charging input voltage range	AC220V-240V 750W 50/60Hz
No-load power consumption	≤30W
overheat protection	≧85℃
AC side overload protection	≧3500W

transfer efficiency	≥87%
output power	Rated 3000W
discharge waveform	pure sine wave
DC Low Voltage Alert	21V
DC undervoltage protection	19V
Built-in charging current	220VAC 750W
AC charging interval	4-5h
AC end short circuit protection	possess
Built-in battery over-discharge protection	21V±0.5V
Built-in battery overcharge protection	29.2V±0.075V
12VDC output port specifications	3*12V/5A
USB/TYPE-C port	4*5V/18W（2*USB,2*TYPE-C）
AC is at battery voltage	28.8V±0.5V
MPPT Controller Specifications	Input voltage: 18V-80V,600W
Work environment temperature range	Discharge: -10℃-55℃, charge: 0℃-45℃
Long-term storage conditions	Temperature: 15℃-25℃, ventilated, dry, dust-free area
Product dimensions	Length*Width*Thickness: 610*350*280mm
Net product weight	37.5kg