Isuna 3000SO-12000SO Overload power description

Description of overload output power in off-grid condition

When the off-grid inverter is in the state of not connected to the grid, the overload output power capacity at this time is divided into two levels

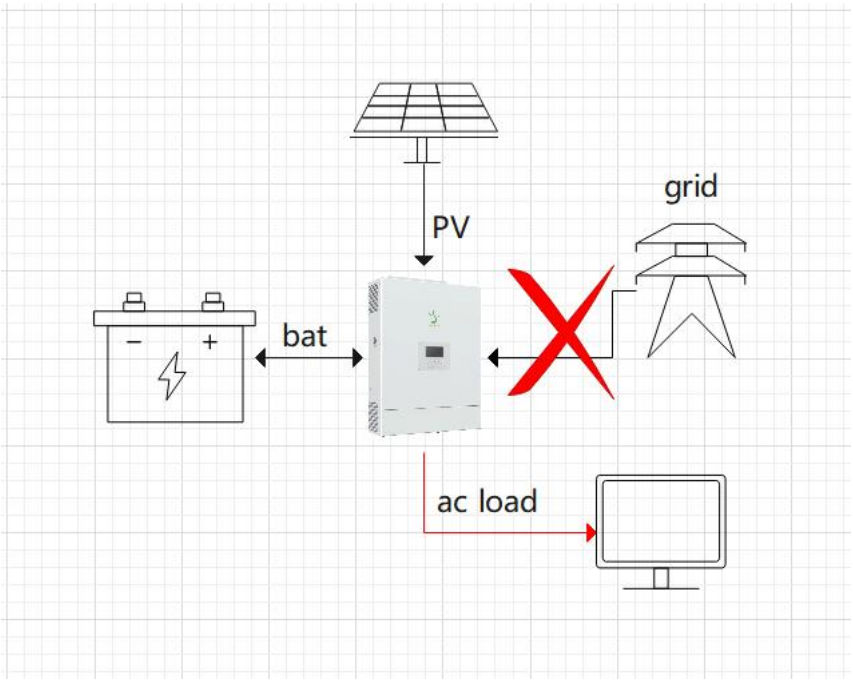
1, the following is the 3-12kW off-grid inverter level overload output power and time

Inverter power	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Peak output power	3.3kW	4.4kW	5.5kW	6.6kW	8.8kW	11kW	13.2kW
time	60s	60s	60s	60s	60s	60s	60s

2, the following is the 3-12kW off-grid inverter secondary level overload output power and time

Inverter power	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Peak output power	4.5kW	6kW	8kW	8kW	12kW	15kW	15kW
time	10s	10s	10s	10s	10s	10s	10s

At this time, the output power flows from the PV and battery to the load.



Off-grid inverter connection diagram

Description of grid input power in grid-connected condition

When the off-grid inverter is connected to the grid, the grid input power overload capacity is divided into two levels.

The input power of the grid in this state can supply power to the load or charge the battery, when the load power becomes larger, the power to charge the battery becomes smaller, the load power and the battery charging power are added together as the peak input power value of the grid.

1, the following is 3-12kW off-grid inverter level grid overload input power, maximum input current and time

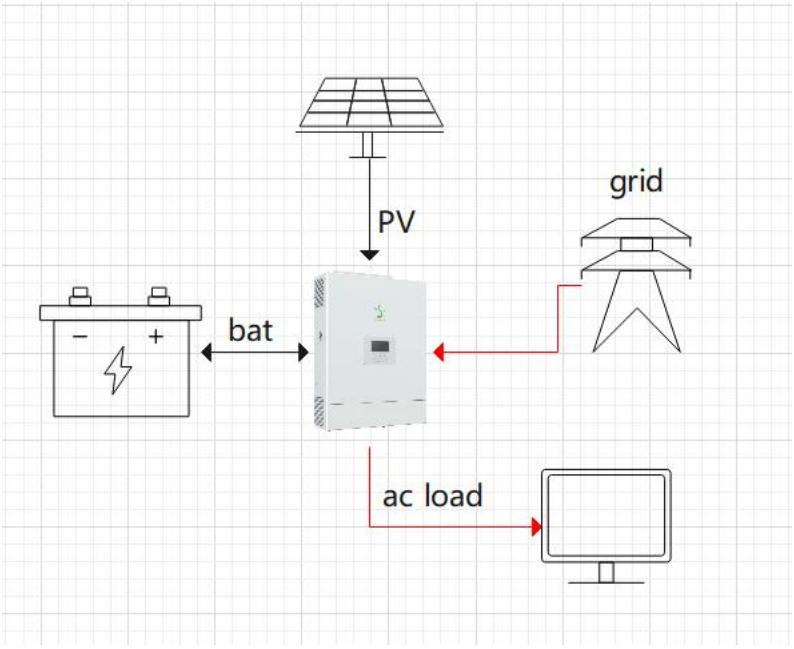
Inverter power	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Peak output power	8kW	8kW	8kW	8kW	16kW	16kW	16kW
Maximum input current	36A	36A	36A	36A	72A	72A	72A

time	Long time	Long time	Long time	Long time	Long time	Long time	Long time

2, the following is 3-12kW off-grid inverter secondary level grid overload input power, maximum input current and time

Inverter power	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Peak output power	13.2kW	13.2kW	13.2kW	13.2kW	22kW	22kW	22kW
Maximum input current	60A	60A	60A	60A	100A	100A	100A
time	10s	10s	10s	10s	10s	10s	10s

At this time, power flows from the grid and PV to the batteries and loads



On-grid inverter connection diagram