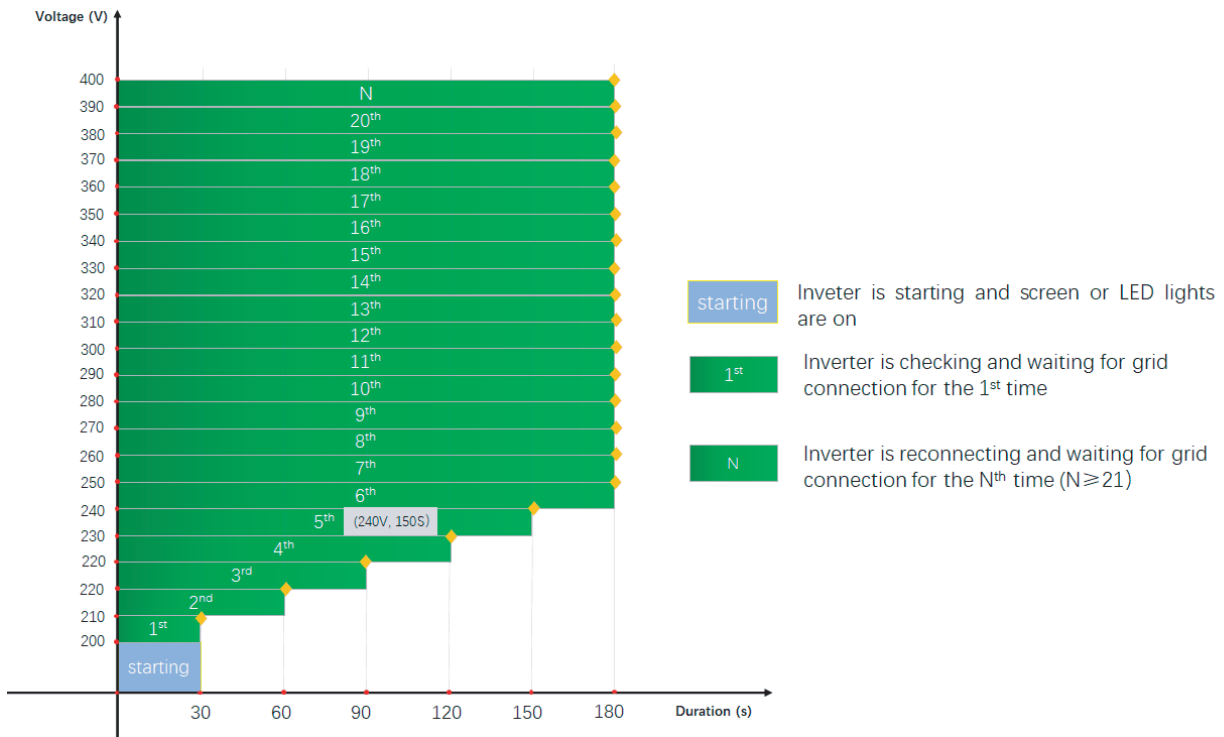


START-UP & RECONNECT OF INVERTER

Updated on September 07, 2020

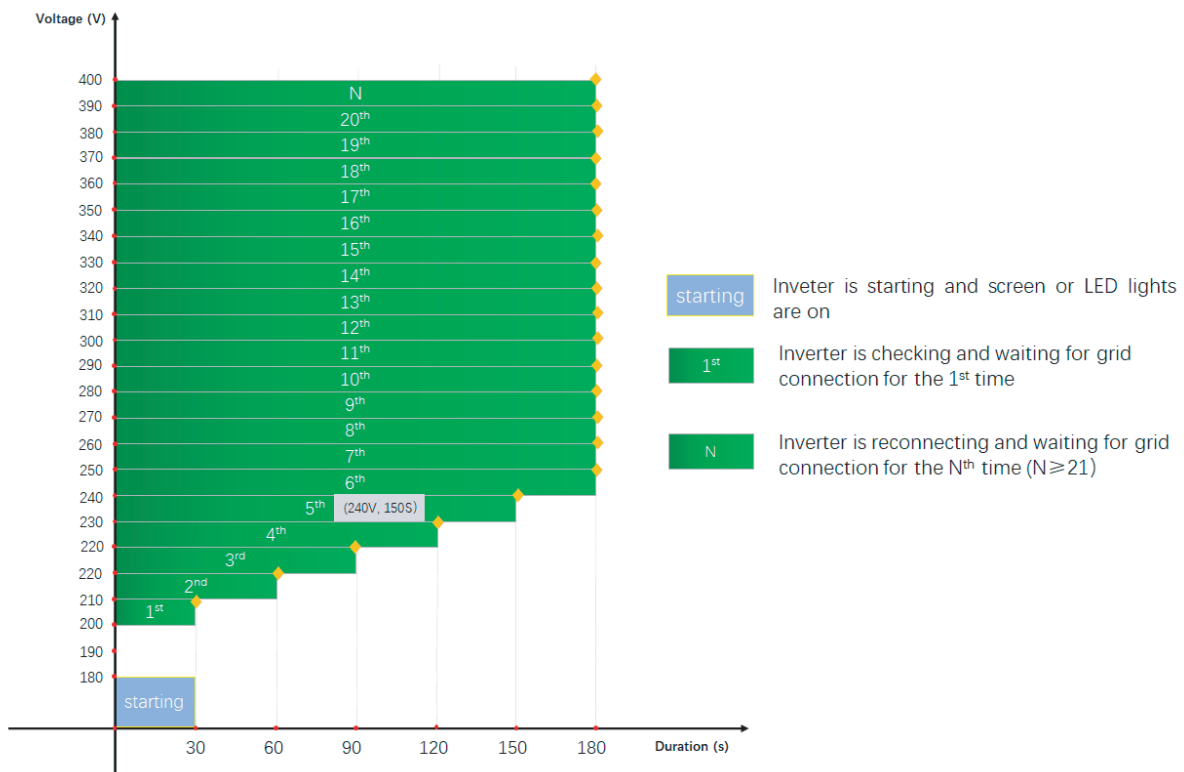
According to requirement in IEC standards, the reconnection time of inverter to the grid should be within the range of 20 to 300 seconds.

In compliance with the IEC standards, GoodWe inverter MT series would get starting at the PV input voltage of 200V, which means the LED lights and/or the LCD screen of inverter are on and it gets ready for the first connection to the grid. When the PV input voltage reaches 210V, the inverter will start self-check to verify the conditions for grid connection and this checking process takes up 30 seconds. If the first connection to the grid fails, the second connection to grid will initiate under the condition that the PV input voltage reaches 220V and the reconnecting process takes up 60 seconds. Every failure in grid connection would make 10V more added to the previous grid-connection voltage and 30 seconds more added to the previous self-checking or reconnecting time for the next grid connection. The limitation is set at 180 seconds and 400V, which means the maximum reconnecting time is 180 seconds and inverter would start to connect to the grid whenever the PV input voltage reaches 400V.



Connection and Reconnection of MT inverter

In compliance with the IEC standards, GoodWe inverter SDT series would get starting at the PV input voltage of 180V, which means the LED lights and the LCD screen of inverter are on and it gets ready for the first connection to the grid. When the PV input voltage reaches 210V, the inverter will start self-check to verify the conditions for grid connection and this checking process takes up 30 seconds. If the first connection to the grid fails, the second connection to grid will initiate under the condition that the PV input voltage reaches 220V and the reconnecting process takes up 60 seconds. Every failure in grid connection would make 10V more added to the previous grid-connection voltage and 30 seconds more added to the previous self-checking or reconnecting time for the next grid connection. The limitation is set at 180 seconds and 400V, which means the maximum reconnecting time is 180 seconds and inverter would start to connect to the grid whenever the PV input voltage reaches 400V.



Connection and Reconnection of SDT G2 inverter

The purpose of the step-up conditions in terms of time and voltage for grid connection is to avoid repeated grid connection failures in short time if there is no constantly increasing or stable PV input voltage or adequate PV input power for inverter.

In addition, when the grid connection is turned off from AC side, inverter will start the above-mentioned self-checking or reconnecting process in case of failure in grid connection once again.