



June 10, 2024

Re: Anti-Islanding methodology of SOL-ARK HYBRID INVERTER Model **Sol-Ark 15K-2P-N** - UL Name: **Limitless 15K-LV**

To Whom it may concern,

The purpose of this letter is to declare the anti-islanding methodology used by the **Limitless 15K-LV** inverter listed by UL and tested in accordance with IEEE 1547-2018 in accordance with UL1741-SB.

The **Limitless 15K-LV** inverter uses the **Group 1** method of anti-islanding based on the definitions provided in the list below defined in Sand-8341, July 2018:

- Group 1:** Frequency Shift with continuous positive frequency feedback
- Group 2A: Frequency Shift with discontinuous or stepped positive frequency feedback
- Group 2B: Frequency Shift similar to Group 2A except with a dead zone around 60Hz
- Group 2C: Frequency Shift with unidirectional frequency feedback
- Group 3: Monitors change of impedance
- Group 4: Monitors shift at a harmonic frequency (multiple of the fundamental)
- Group 5: Passive methods like rate of change of frequency, vector shift
- Group 6: Produces negative sequence current and monitor voltage

For any questions, please contact (214) 432-3799

Sincerely,

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