



December 27, 2022

Re: Anti-Islanding methodology of Sol-Ark-5K-120V/8K-230V-1P, 8K-48-ST and 12K-P Inverters

To Whom it may concern,

The purpose of this letter is to declare the anti-islanding methodology used by Sol-Ark-5K-120V/8K-230V-1P, 8K-48-ST and 12K-P Inverters listed by UL and tested in accordance with IEEE 1547-2018 in accordance with UL1741-SA.

Sol-Ark-5K-120V/8K-230V-1P, 8K-48-ST and 12K-P Inverters use 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

This information will be added to the Installation and Owner's Manual for the Sol-Ark 15K Inverter. For any questions, please contact (214) 432-3799

Sincerely,

Dustin Douglas

Dustin Douglas
Director of Solar Engineering

972-575-8875



Support@sol-ark.com



Sol-Ark.com



1100 Professional Dr. Plano, TX 75074

