

Setting for grid operator of Sri Lanka

SolaX Power Network Technology (Zhe jiang) Co. , Ltd.

hereby confirms that the following inverters fulfill CEI / IEC 61727: 2004:

X3-4.0-T-D X3-4.0-T-N X3-5.0-T-D X3-5.0-T-N
X3-6.0-T-D X3-6.0-T-N X3-7.0-T-D X3-7.0-T-N
X3-8.0-T-D X3-8.0-T-N X3-9.0-T-D X3-9.0-T-N
X3-10.0-T-D X3-10.0-T-N
X3-4.0-S-D X3-4.0-S-N
X3-5.0-S-D X3-5.0-S-N

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1、 over/under frequency and over/under voltage

Protection. Frequency tests						
Function	Limit		Setting		Trip test	
	Frequency	Time	Frequency	Time	Frequency	Time
U/F stage 1	47.5Hz	0.2s	47.5Hz	0.2s	47.49Hz	0.176s
O/F stage 1	51.5Hz	0.2s	51.5Hz	0.2s	51.51Hz	0.159s

Under voltage

	Under Voltage	
Parameter	Voltage	Time
Protection limit	216.0V	2s
Actual Setting	216.0V	2s
Trip value (test result)		
L1	216.0V	2.000s
L2	216.0V	1.979s
L3	215.9V	1.973s
ALL	216.1V	1.970s

Over voltage

	Over Voltage	
Parameter	Voltage	Time
Protection limit	244.0V	2s
Actual Setting	244.0V	2s
Trip value (test result)		
L1	244.9V	1.979s
L2	244.9V	1.973s
L3	244.8V	1.984s
ALL	244.9V	1.952s

2、Reconnection

Reconnection generate electrical power				
Setting value	Min. voltage for connected to grid.....:	218.0V		
	Max. voltage for connected to grid.....:	242.0 V		
	Min. Frequency for connected to grid.....:	47.51Hz		
	Max. Frequency for connected to grid.....:	51.49Hz		
	Observation time ($\geq 180s$).....:	180S		
Test:				
Voltage conditions				
In voltage range after voltage failure	$\geq 218.0V$ for twice of setting observation time		$\leq 242.0V$ for twice of setting observation time	
Reconnection time[s]	218.2V	208s	243.0V	205s
Limit:	Reconnection after setting observation time ($\geq 180s$)			
Frequency conditions				
In frequency range after frequency failure	$\geq 47,51Hz$ for twice of setting observation time		$\leq 51,49Hz$ for twice of setting observation time	
Reconnection time[s]	47.60Hz	209s	51.44Hz	208s
Limit:	Reconnection after setting observation time ($\geq 180s$)			