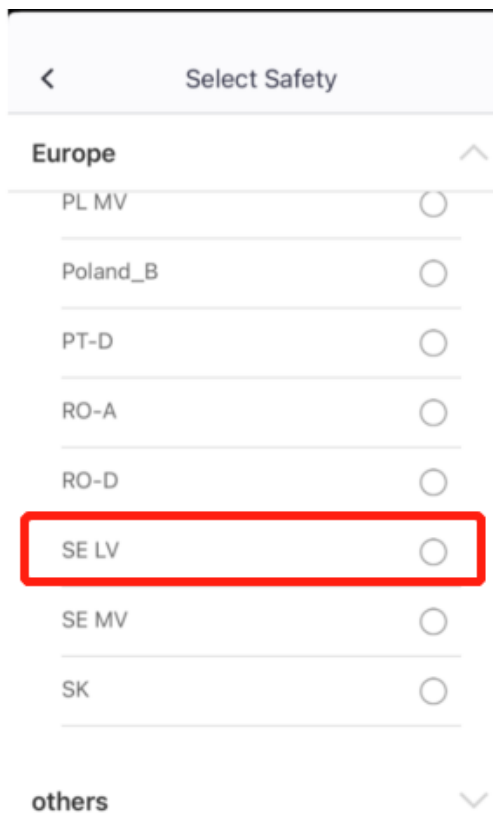


How to set up Finnish safety code for GW SDT G2

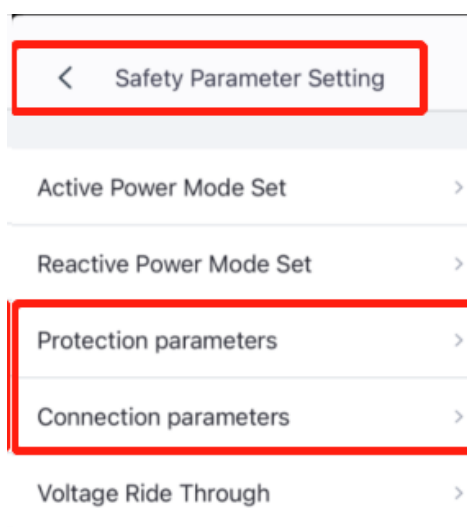
1. Choose the Sweden Low Voltage safety code (or 50Hz Default 230V):



The screenshot shows a mobile application interface titled "Select Safety". It features a list of safety codes under the "Europe" category. The code "SE LV" is highlighted with a red rectangular box. Other visible codes include PL MV, Poland_B, PT-D, RO-A, RO-D, SE MV, and SK. Below the list is an "others" category with a downward arrow.

Safety Code	Selection
PL MV	☐
Poland_B	☐
PT-D	☐
RO-A	☐
RO-D	☐
SE LV	☐
SE MV	☐
SK	☐
others	☐

2. Go to Advanced settings and change details in Grid parameters setting:



The screenshot shows a mobile application interface titled "Safety Parameter Setting". It features a list of settings. The "Protection parameters" and "Connection parameters" items are highlighted with red rectangular boxes. Other visible settings include "Active Power Mode Set", "Reactive Power Mode Set", and "Voltage Ride Through".

Setting	Selection
Active Power Mode Set	☐
Reactive Power Mode Set	☐
Protection parameters	☐
Connection parameters	☐
Voltage Ride Through	☐

3. The detail parameter numbers can be found in our SDT G2 Plus safety setting:

Protection parameters:

Protection parameters			
OV Stage1 Trip Value	120.0	120.0	✓
Range[100,130]%			
OV Stage1 Trip Time	0.94	0.94	✓
Range[0.02,1000]s			
UV Stage1 Trip Value	80.0	80.0	✓
Range[20,100]%			
UV Stage1 Trip Time	1.44	1.44	✓
Range[0.02,1000]s			
OV Stage2 Trip Value	120.0	120.0	✓
Range[100,130]%			
OV Stage2 Trip Time	0.94	0.94	✓
Range[0.02,1000]s			
UV Stage2 Trip Value	20.0	20.0	✓
Range[20,100]%			
UV Stage2 Trip Time	0.20	0.20	✓
Range[0.02,1000]s			
Grid 10min Overvoltage	0.0	0.0	✓
Range[80,140]%			
10min Overvoltage Trip Time	0.000	0.000	✓
Range[0.01,7200]s			

Frequency Protection Parameters:			
OF Stage1 Trip Value	51.50	51.50	✓
Range[50,70]Hz			
OF Stage1 Trip Time	0.02	0.02	✓
Range[0.02,1000]s			
UF Stage1 Trip Value	47.50	47.50	✓
Range[45,60]Hz			
UF Stage1 Trip Time	0.02	0.02	✓
Range[0.02,1000]s			
OF Stage2 Trip Value	0.00	0.00	✓
Range[50,70]Hz			
OF Stage2 Trip Time	0.00	0.00	✓
Range[0.02,1000]s			
UF Stage2 Trip Value	0.00	0.00	✓
Range[45,60]Hz			
UF Stage2 Trip Time	0.00	0.00	✓
Range[0.02,1000]s			

Ramp Up:			
Upper Voltage	110.0	110.0	✓
Range[100,200]%			
Lower Voltage	85.0	85.0	✓
Range[10,100]%			
Upper Frequency	51.0	51.0	✓
Range[50,65]Hz			
Lower Frequency	49.0	49.0	✓
Range[45,60]Hz			
Observation Time	60	60	✓
Range[30,30000]s			
Soft Ramp Up Gradient	☒		
Soft Ramp Up Gradient	100.0	100.0	✓
Range[5,100]%/min			

Connection parameters:

< Connection parameters			
Ramp Up:		Reconnection:	
Upper Voltage	110.0 110.0 ✓	Upper Voltage	110.0 110.0 ✓
Range[100,200]%		Range[100,200]%	
Lower Voltage	85.0 85.0 ✓	Lower Voltage	85.0 85.0 ✓
Range[10,100]%		Range[10,100]%	
Upper Frequency	51.0 51.0 ✓	Upper Frequency	51.0 51.0 ✓
Range[50,65]Hz		Range[50,65]Hz	
Lower Frequency	49.0 49.0 ✓	Lower Frequency	49.0 49.0 ✓
Range[45,60]Hz		Range[45,60]Hz	
Observation Time	60 60 ✓	Observation Time	60 60 ✓
Range[30,30000]s		Range[30,30000]s	
Soft Ramp Up Gradient	☒	Reconnection Gradient	☒
Soft Ramp Up Gradient	100.0 100.0 ✓	Reconnection Gradient	0.0 0.0 ✓
Range[5,100]%/min		Range[5,100]%/min	