

Grid Profile

Name	Value	Unit
DE_VDE4105_2018		-
H/LVRT		-
H/LFRT		-
Islanding Detection (ID)		-
Reconnection (RT)		-
Ramp Rates(RR)		-
Frequency Watt (FW)		-
Active Power Control (APC)		-
Volt Var (VV)		-
Specified Power Factor (SPF)		-
Watt Power Factor (WPF)		-
Reactive Power Control (RPC)		-
Nominal Voltage (NV)	230	V
Low Voltage 1 (LV1)	184	V
LV1 Maximum Trip Time (MTT)	3	s
High Voltage 1 (HV1)	287.5	V
HV1 Maximum Trip Time (MTT)	0.1	s
Low Voltage 2 (LV2)	103.5	V
LV2 Maximum Trip Time (MTT)	0.3	s
10mins Average High Voltage (AHV)	253	V
Nominal Frequency	50	Hz
Low Frequency 1 (LF1)	47.5	Hz
LF1 Maximum Trip Time (MTT)	0.1	s
High Frequency 1 (HF1)	51.5	Hz
HF1 Maximum Trip time (MTT)	0.1	s
ID Function Activated	1	
Reconnect Time (RT)	60	s
Reconnect High Voltage (RHV)	276	V
Reconnect Low Voltage (RLV)	195.5	V
Reconnect High Frequency (RHF)	50.1	v
Reconnect Low Frequency (RLF)	47.5	v
Normal Ramp up Rate(RUR_NM)	20	Rated%/s
Soft Start Ramp up Rate (RUR_SS)	10	Rated%/s
FW Function Activated	1	

Name	Value	Unit
Start of Frequency Watt Droop (Fstart)	50.2	Hz
FW Droop Slope (Kpower_Freq)	40	Pn%/Hz
Recovery Ramp Rate (RRR)	0.16	Pn%/s
Recovery High Frequency (RVHF)	50.2	Hz
Recovery Low Frequency (RVLF)	49.8	Hz
APC Function Activated	1	
Power Ramp Rate (PRR)	100	Pn%/s
VV Function Activated	0	
Voltage Set Point V1	213.9	V
Reactive Set Point Q1	30	%Pn
Voltage Set Point V2	223.1	V
Voltage Set Point V3	236.9	V
Voltage Set Point V4	246.1	V
Reactive Set Point Q4	30	%Pn
SPF Function Activated	0	
Power Factor (PF)	0.95	-
WPF Function Activated	0	
Start of Power of WPF (Pstart)	50	%Pn
Power Factor ar Rated Power (PFRP)	0.95	
RPC Function Activated	0	
Reactive Power (VAR)	0	-