

Declaration of conformity to Danish LV Grid Codes v. 1.2 (Feb. 2019)

Manufacturer Name	DELTA ELECTRONICS (NETHERLANDS) B.V.
Manufacturer Address	Tscheulinstraße 21, 79331 Teningen, Germany
Name of Contact Person	Patrick SCHAHL / Richard Li
Contact Person's telephone number	+49 7641 455 256
Contact Person's Email address	Patrick.schahl@deltaww.com RICHARD.LI@deltaww.com

Model designation	Model software version	Nominal active power [kW]	Number of phases
Delta RPI M6A	>DSP1.43 +manual settings via display/DSS	6	3
Delta RPI M8A	>DSP1.43 +manual settings via display/DSS	8	3
Delta RPI M10A	>DSP1.43 +manual settings via display/DSS	10	3
Delta RPI M15A	>DSP2.26 +manual settings via display/DSS	15	3
Delta RPI M20A	>DSP2.26 +manual settings via display/DSS	20	3
Delta RPI M30A	>DSP1.63 +manual settings via display/DSS	30	3
Delta RPI M50A	>DSP1.62 +manual settings via display/DSS	50	3

DELTA ELECTRONICS (NETHERLANDS) B.V., Tscheulinstraße 21, 79331 Teningen, Germany, hereby confirms that products Delta RPI M6A, RPI M8A, RPI M10A, RPI M15A, RPI M20A, M30A, M50A, with above given software and needed parameter changes (which can be done by installer / in password protected area), do fulfill the requirements of "Technical requirements for connection of power-generating plants to the low-voltage grid (≤ 1 kV)" version 1.2.

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Andreas Hoischen
Senior Director



Patrick Schahl
Product Manager EMEA



DANISH ENERGY

Vodroffsvej 59 | DK-1900 Frederiksberg C | T: +45 35 300 400 | info@danskenergi.dk | www.danskenergi.dk

With help of free of charge, Delta European Hotline, Installer will get all needed support to set parameters as requested in "Technical requirements for connection of power-generating plants to the low-voltage grid (≤ 1 kV)" version 1.2.

To contact support team : <http://www.solar-inverter.com/en-GB/726.htm>

	Settings for DK1	Settings for DK2
LFSM-O		
Threshold frequency [Hz]	50,2	50,5
Droop [% of P_n]	5% (40% P_n /Hz)	4% (50% P_n /Hz)
Intentional Delay	500ms	500ms

Reactive Power

	Q fix	
Activated/disabled [On/Off]	On	On
Q setpunkt [VAr]	0	0
Cos φ fix.		
Activated/disabled [On/Off]	Off	Off
PF setpunkt [PF]	1	1
Cos φ (P)		
Activated/disabled [On/Off]	Off	Off
Cos φ (P) P1 [% of P_n]	0	0
Cos φ (P) PF1 [PF]	1	1
Cos φ (P) P2 [% of P_n]	50	50
Cos φ (P) PF2 [PF]	1	1
Cos φ (P) P3 [% of P_n]	100	100
Cos φ (P) PF3 [PF]	0,9 inductive	0,9 inductive
Cos φ (P) Lockin [% of U_n]	105	105
Cos φ (P) Lockout [% of U_n]	100	100

Connection and Reconnection

Gradient [% of P_n /min]	20	20
Observationtime [seconds]	180	180
U_{min} [% of U_n]	85	85
U_{max} [% of U_n]	110	110
f_{min} [Hz]	47,5	47,5
f_{max} [Hz]	50,2	50,5

System Protection

$f >$ [s]	0,2	0,2
$f >$ [Hz]	51,5	51,5
$f <$ [s]	0,2	0,2
$f <$ [Hz]	47,5	47,5
$U >$ [s]	60	60

$U >$ [% of U_n]	110	110
$U >>$ [s]	0,2	0,2
$U >>$ [% of U_n]	115	115
$U <$ [s]	50	50
$U <$ [% of U_n]	85	85

Loss of Mains Detection

$U <<$ [s]	0,2	0,2
$U <<$ [% of U_n]	80	80