

Manufacturer's declaration of integrated all-current sensitive residual-current monitoring unit (RCMU*)

DELIOS s.r.l. confirms that all the inverters listed in the following table are fitted with a residual current monitoring unit (RCMU*) tested in compliance with safety standard required by IEC/EN 62109-2:2011.

The disconnection device is in redundant design. If a fault function is detected, all poles are immediately switched off and the inverter is disconnected from the utility grid.

DELIOS DLX series	
Hybrid storage inverter	DLX 500HV / DLX 600HV / DLX 800HV / DLX 1000HV
AC storage inverter	DLX 500AC / DLX 600AC / DLX 800AC / DLX 1000AC
PV inverter	DLX 500 / DLX 600 / DLX 800 / DLX 1000

The listed inverters, due to their manufacturing features, do not cause DC fault currents into the ground and therefore no additional residual current protection is required in the installation if an appropriate overcurrent protective device is installed downstream.

Depending on the installation protection or grid operator requirements additional RCDs may be required. In this case, an RCD Type A with sensitivity of at least $I_D \geq 100\text{mA}$ per each inverter must be used to avoid unwanted disconnection due to the capacitive leakage current occurring during normal operation.

Using higher sensitivity RCDs ($I_D < 100\text{mA}$) could cause unwanted disconnection and DELIOS s.r.l. will not assume any liability for the related claims.

(*) RCMU: Residual Current Monitoring Unit

Cittadella (PD), 03/09/2021

DELIOS s.r.l.



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