

Proof of conformity for the integrated grid and plant protection inside the inverter

Manufacturer: TESVOLT GmbH

Grid codes: VDE-AR-N 4105: 2011-08
„generators connected to low voltage grid“

The grid and plant protection inside the charge control for the storage battery unit is compliant with rules and standards of VDE-AR-N 4105.


The time lock of protection and settings accordingly as follows:

Function	setting	Value of release	Time lock*	Grid and plant protection
Decrease in voltage protection	0,8 * U _n	184 V	200 ms	120 ms
Invrease in voltage protection	1,1 * U _n	253 V	10 min	10 min
Invrease in voltage protection	1,15 * U _n	264,5 V	200 ms	120 ms
Frequenzrückgangsschutz	47,5 Hz	47,5 Hz	200 ms	120 ms
Frequenzsteigerungsschutz	51,5 Hz	51,5 Hz	200 ms	120 ms

*The time lock consists of the time periode between detecting a alarming value of release $\Delta U/\Delta Hz$ and the reaction of the protective switch.



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