

12V battery discharged after HV charging process

Topic number	LI54.00-P-070982
Version	3
Function group	54.00 - General
Date	4/15/21
Validity	Model 453 (electric drive) only up to manufacturing date 4.9.2020
Reason for change	Information on cleanpoint

Complaint

After the charging process is finished (SOC at 100%), it is possible that the 12V battery may discharge if the charging cable connector remains connected. The vehicle may not start.

Cause

Powerline gateway ECU N24/5 (ECU-PLGW) software may create a quiescent current draw of approximately 5A.

If the charging cable is disconnected, the quiescent current drops to a normal value.

Remedy

Update software in the powerline gateway ECU N24/5 (ECU-PLGW).

Symptoms				
Power generation > Engine management > Engine start/stop > Does not start				
Overall vehicle > Power supply > Battery/On-board electrical system > Battery function > Battery discharges				
Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system indicator lamp > Battery charge indicator/consumer shutoff > Illuminates red				
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			540ST54	