MG ENERGY SYSTEMS — innovation in energy storage

Project information	
Company	
Project name	
Application	
Date	
Executed by	

Signature

		Requirements / Criteria	Value	OK	NOK	Notes
Battery modules						
Model						
Serialnumbers						
Firmware version		Latest release				
Clearances	Top	>200mm				
	Right side	>10mm				
	Left side	>10mm				
	Front	>50mm				
	Rear	>50mm				
Ventilation of batteries		To be free				
Location	Separate battery room?		Yes / No			
	Room ventialtion present?		Yes / No			
	External heat sources next to the batteries?		Yes / No			
Fixation		To be stable	Fixation type: Bracket / Strap / Other:			
Fire extinguishing system			Type:			
Battery configuration	Series					
	Parallel					
Connection configuration	Parallel groups					
Maximum current possible						

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		Requirements / Criteria	Value	OK	NOK	Notes
Cable diameter used						
Cable lengths of parallel batteries		Lengths must be even.				
MG Master HV						
Model						
Serialnumber						
Firmware version		Latest release				
Mounting position		Vertical / Horizontal				
System voltage						
Fuses	Battery		Voltage: Rating:			
Configuration	Check configuration and special settings					Make screenshot
	Configure parallel and series to a fixed number		Yes / No			

Cable check: Power						
Check torque	Battery poles	Need to be tight. Max. 15Nm				
Check Amphenol locks		Need to be locked	Yes / No			
Check connectivity	Battery series and parallel	Conform schematics				
Check equipotention bonding/ shielding	Connected?		Yes / No			

Cable check: Communication and I/O						
BMS-CAN check	All batteries connected?		Yes / No			
	Terminators present?		Yes / No			
AUX-CAN check	Used?		Yes / No			Interfaced to:
	Interface is working?		Yes / No			
Allow-to-charge	Used?		Yes / No			Interfaced to:

Date: 12-5-2020

MG Energy Systems B.V.

File: Commissioning form - MG Master HV - HE - general.xlsx   Foeke Sjoerdswei 3, 8914 BH, Leeuwarden, The Netherlands   2/3

HV - HE Commissioning form

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		Requirements / Criteria	Value	OK	NOK	Notes
Allow-to-discharge	Used?		Yes / No			Interfaced to:
Emergency stop	Used?	Used as emergency or looped?	Yes / No			

Operation						
Check function of start/stop and reset function via AUX. CAN-bus.		Function properly	Yes / No			
Check charge/discharge limit function	Connect simulation battery and change temperature and cell voltages	Function properly	Yes / No			
Allow-to-charge		Function properly	Yes / No			
Allow-to-discharge		Function properly	Yes / No			
Reset Tracking values						
Reset Events						
Check date/time of Master						Check start-up event time
Charge batteries to synchronize SOC						