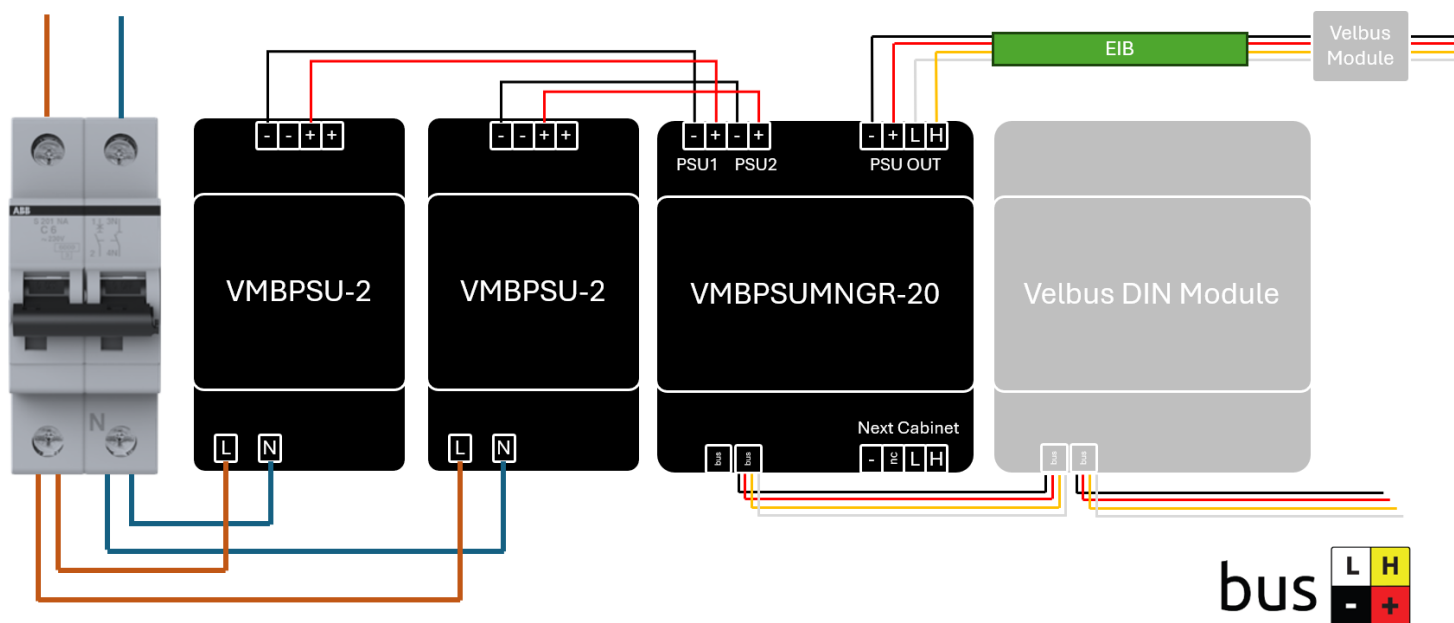
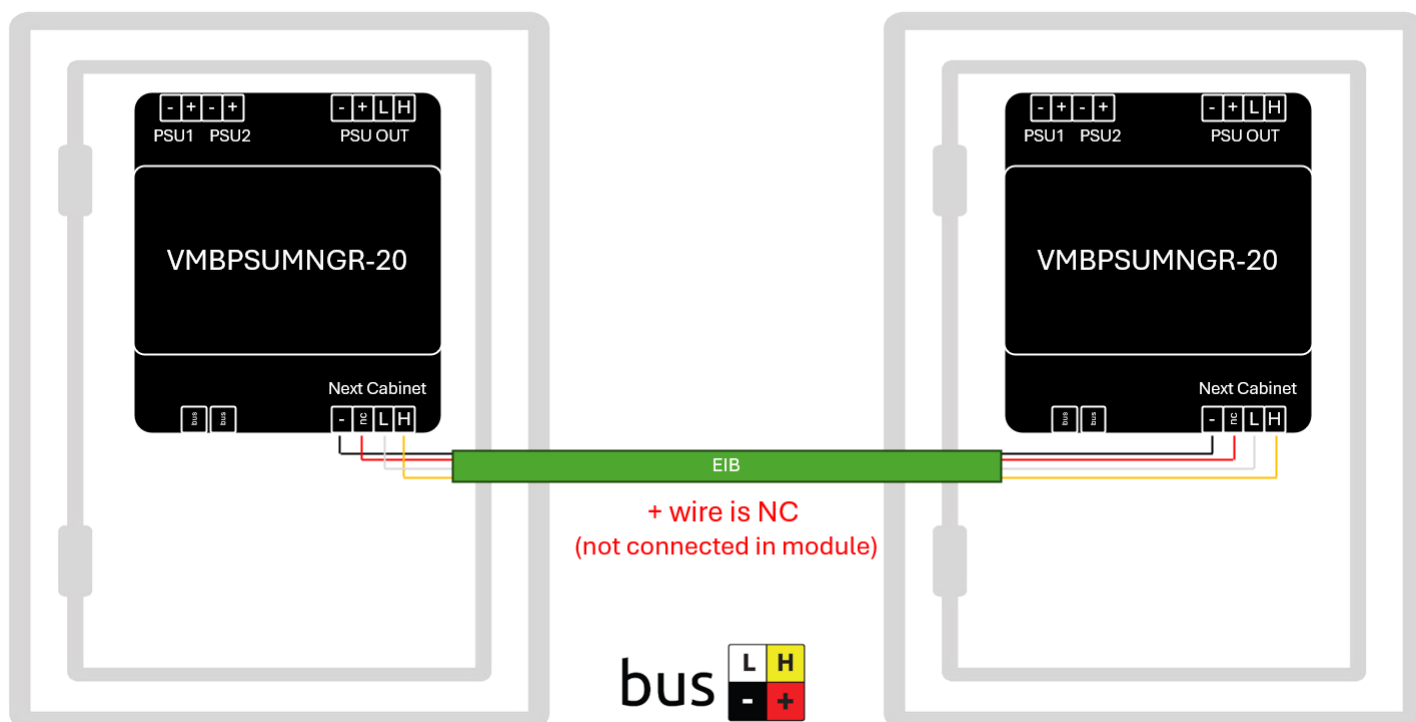


Connect

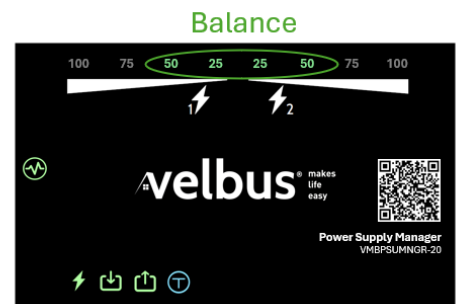
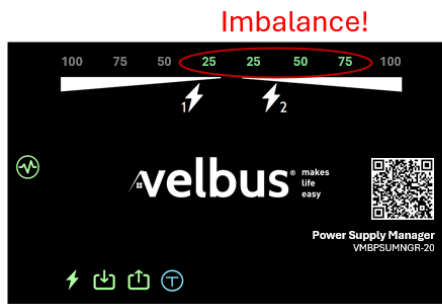


Cabinet 1

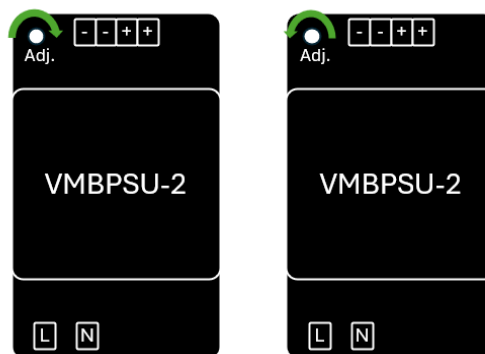
Cabinet 2



Setup

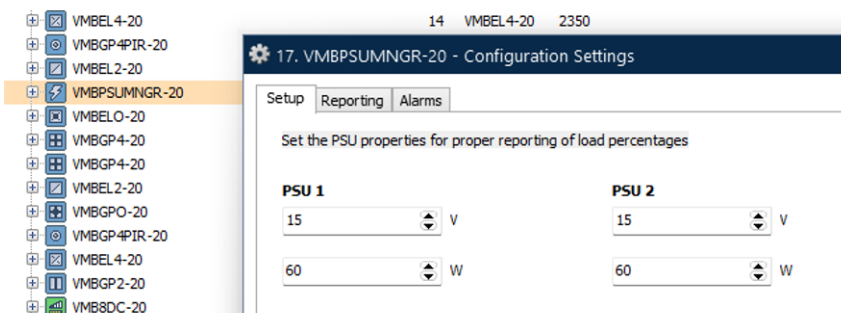


Adjust PSU modules



Both PSU modules should output the same Voltage level (15V)

Velbuslink Config



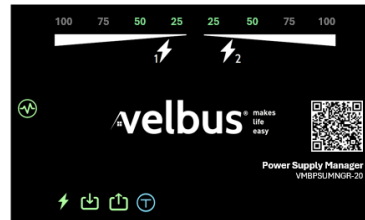
Default values for VMBPSU-2 are pre-set into the module

1. VMBPSUMNGR-20 - Configuration Settings				
Setup Reporting Alarms				
Set the PSU properties for proper reporting of load percentages				
PSU 1		PSU 2		
15 V		15 V		
60 W		60 W		
Name	Status	PSU	Condition	
PSU 1 offline	Enabled	PSU 1	Current power usage is less than the activation level	
PSU 2 offline	Enabled	PSU 2	Current power usage is less than the activation level	
Power maxed out	Enabled	PSU out	Current power usage is equal to the activation level	
Maintenance due	Enabled	PSU 1	Time passed	
Alarm 5	Disabled	-	-	
Alarm 6	Disabled	-	-	
Alarm 7	Disabled	-	-	
Alarm 8	Disabled	-	-	
Alarm 9	Disabled	-	-	
Alarm 10	Disabled	-	-	

Default alarms:

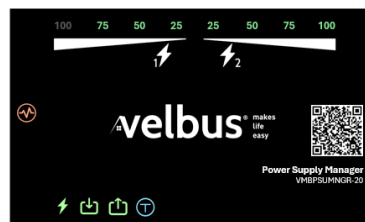
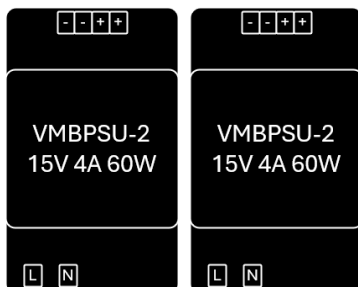
If PSU1 <12V => alarm active
 If PSU2 <12V => alarm active
 If PSU out > 60W => alarm active
 If runtime > 2 years => alarm active

Modes



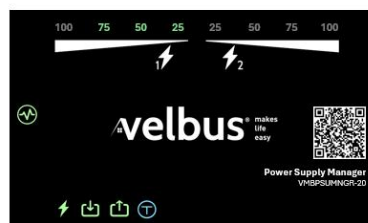
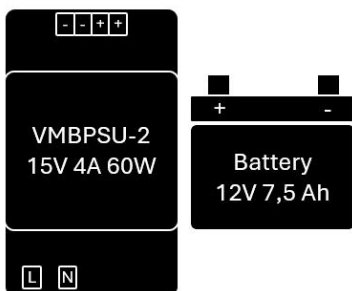
Output **< 60W**
Load Balance Mode

Load is shared equally over both PSU's



Output **> 60W**
Boost Mode

Combining the power of both PSU's up to 120W

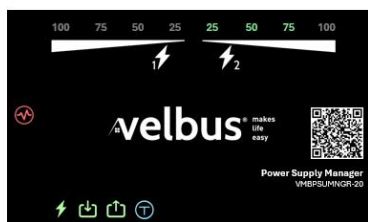


PSU1 (main power) powers Velbus

PSU1 & 12V Accu
Backup Mode

When main power fails, battery will power the Velbus installation uninterrupted

PSU1 alarm will be active and can be used as a trigger for emergency lighting / messages on Edge Lit panels



Battery powers Velbus (main down)



LED indicators

Status LED



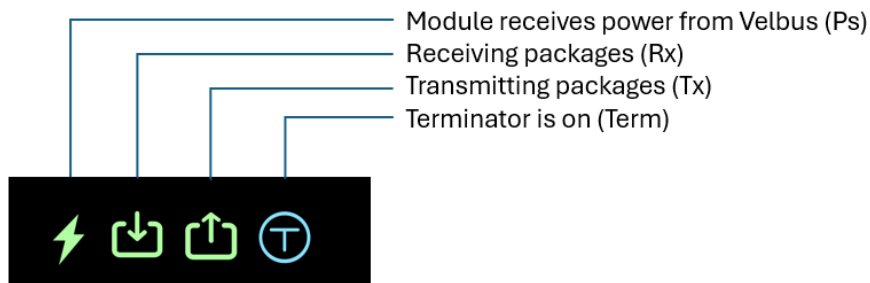
PSU Manager has a load < 75% (90W*)

PSU Manager has a load between 75% & 95% (90W-114W*)

PSU Manager has a load > 95%* (114W*)

* By default, the VMBPSU Manager will calculate the max load based on the connected PSU's.

For 2x VMBPSU-2 => 100% load = 120W
For 1x VMBPSU-2 => 100% load = 60W



Additional help

help.velbus.eu OR help@velbus.eu