



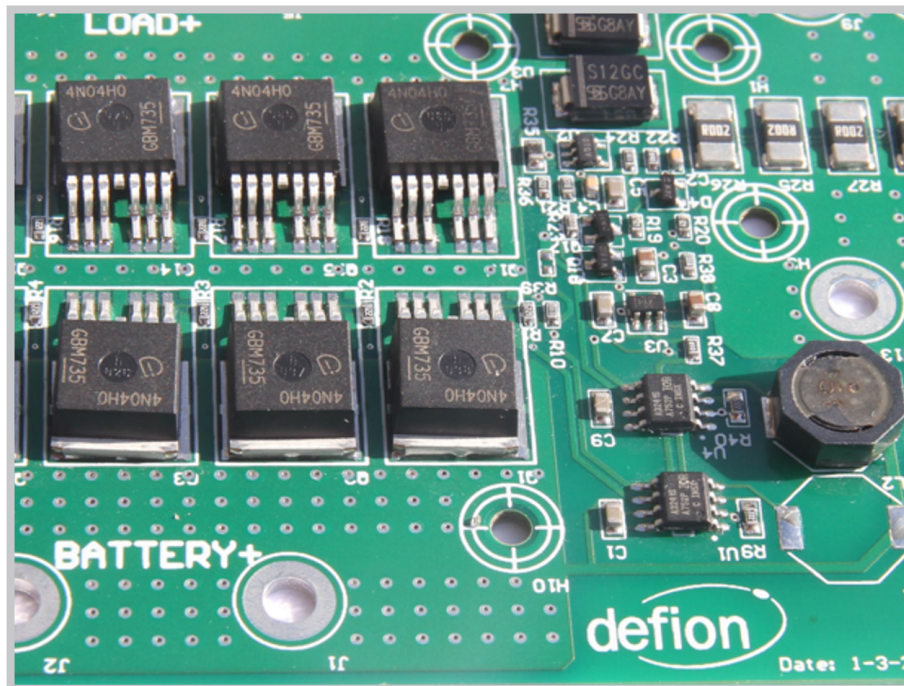
Lithium-ion battery management system

Manage, monitor and protect your storage solution

Key features:

- 12V and 24V models
- 4s and 8s configurations
- Short circuit proof solid state battery switch
- Digitally controlled
- Low quiescent current
- Protected against:
 - Over charging
 - Over discharge
 - Over temperature
 - Cell imbalance
- Board and cell temperature sensors

Product impression:



Interested in this product?

Contact us for more information: info@defion.nl, +31 6 209 645 19

Defion BV - Nipkowweg 21B - 8501XH - Joure - www.defion.nl



Lithium-ion battery management system

Specification:

Input specification	12V 4s Battery	24V 8s Battery
Input voltage range	6 .. 16V	12..32V
Input voltage range / cell	2 .. 4V	
Quiescent current consumption	< 0.5mA	
Sleep current consumption	< 0.2mA	
Cell balancing type	Passive	
State of charge (SOC) monitor	Coulomb counting	
Current handling		
Max. charge current (10 sec)	400A	200A
Continuous charge current	200A	100A
Max. discharge current (10 sec)	400A	200A
Continuous discharge current	200A	100A
Cell balancing current	0.5A	
Integrated protections		
Protected against	Cell under voltage	
	Cell over voltage	
	Over temperature Cell and BMS	
	Under temperature charging	
	Over temperature charging	
	Over current charging	
	Over current discharging	
	Short circuit	
Mechanical specification		
Weigth	< 250 gram	
Dimensions	100 x 80mm, max component heigth = 40mm	
Evironmental specification		
Temperature range (operating)	- 20 .. 50°C ambient/heatsink temperature, non-condensing. Limited charging below 0°C.	
Temperature range (storage)	- 20 .. 80°C	
Cooling method	Power components mounted to customer frame	
Certification	CE, EMC	
Connectivity specification		
CAN bus	Non-galvanic isolated CAN bus 1Mbaud	

This product can be tailored and produced specifically for your battery pack.
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