

OEV Service Bulletin

Redarc Manager 30 Low Temperature Battery Cut off

Overland Explorer service bulletin:

Mark Bruce is the International Training and Development Manager at REDARC and an integral part of the North American Customer Support Team.

Traditionally lithium batteries can be damaged or cause damage if charged at temperatures below 0°C, obviously therefore we limit the lithium charging profile at temperatures below this value. I certainly appreciate your application and requirements; the lithium battery scene is an ever-evolving industry and one that seems to change and/or advance at an extremely fast rate...

When we have been challenged with such environmental extremes i.e., freezing temperatures, and where customers feature lithium batteries capable of accepting charge at temperatures well below zero. I have recommended our customers try adjusting the Manager30 charging profile to AGM, whilst charging in this chemistry profile will only achieve an expected ~90% SOC, battery charging will take place with temperature extremes as low as -25°C.

Thanks again Mark, we really appreciate your patience and understanding, I'm confident this will provide us a satisfactory result until such time as we make advancements/updates ourselves to better accommodate lithium battery charging practices at well below 0°C