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| DATE: July 27, 2020 | PMB NUMBER: 200727 |
| PRODUCTS: EVC-BK2, EC1M-V2-BK2, EC2M-V2-BK2A-D, EC6M-V2-BK2, EC12M-BK2A-D | |
| DESCRIPTION: When installed in a vehicle with a 12V electrical system, KNG batteries will not fully charge if input to the charger is less than 14V. | |

Overview

In a vehicle with a 12V electrical system, KNG batteries (OEM or Power Products) will be undercharged in Endura EVC-BK2, EC1M-V2-BK2, EC2M-BK2A-D, EC6M-BK2, or EC12M-BK2A-D (or OEM models) when input to the charger is less than 14V. When the vehicle is running, input voltage may be slightly less than 14V, and in this situation the battery will be slightly under charged. If charging directly from a 12V battery with the vehicle off, the KNG battery will be significantly undercharged.

Resolution

If you typically keep the vehicle running while charging your KNG battery and it is critical to be able to fully charge a battery or you will often be charging directly from the battery while the vehicle is not running, it is possible to add a DC to DC converter to increase the available 12V to a higher voltage. There are a variety of converters available in the market and below are links for two models. Be sure to cover installation requirements and warranty questions with the reseller of the converter before purchasing.

For EVC-BK2 / EC1M-V2-BK2 / EC2M-BK2A-D (72W model)

https://www.amazon.com/24V-Boost-Converter-Regulator-Waterproof-Transformer/dp/B07XBWHR56/ref=sr_1_4?crid=I7IPLHT1RL9W&dchild=1&keywords=boost%2Bconverter%2B12v&qid=1596478307&sprefix=boost%2Bconverter%2Caps%2C169&sr=8-4&th=1

For EC6M-V2-BK2 / EC12M-BK2A-D (240W model)

https://www.amazon.com/24V-Boost-Converter-Regulator-Waterproof-Transformer/dp/B089M3Q65Y/ref=sr_1_4?crid=I7IPLHT1RL9W&dchild=1&keywords=boost%2Bconverter%2B12v&qid=1596478307&sprefix=boost%2Bconverter%2Caps%2C169&sr=8-4&th=1

Additional Questions?

If you have additional questions, please contact Chris Fuhrmann / chris@powerproducts.com / 678-292-2049.