

USM24-01-02 V1.1

DCDC Installation Guide

1. Before Installation

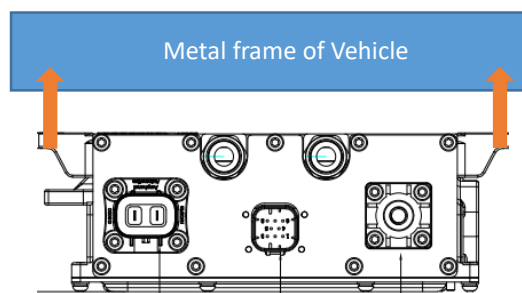
Please check appearance of DCDC converters and their connectors are clear and intact, no deformation 、 not damaged, print on label and tags are clear and distinct before installation.

The insulation resistance between HV DC output and chassis of DCDC converter should be greater than 20MΩ before installation.

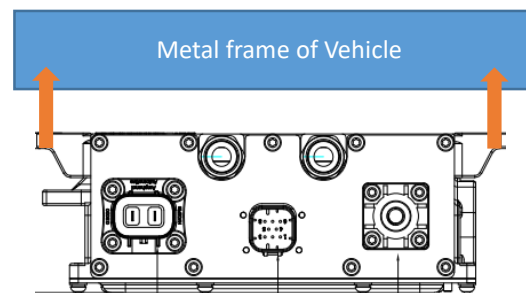
2. Mounting Instruction

DCDC converter could be either hanged under or laid upon metal frame of vehicle with 4 bolts to fix the each DCDC converter; suggest bolt size is M6*30, torque $\geq 16\text{Nm}$.

Hang under metal frame

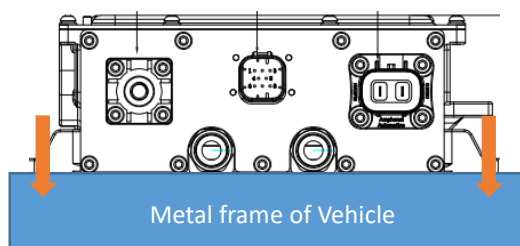


Fixed with M6*30 Bolt

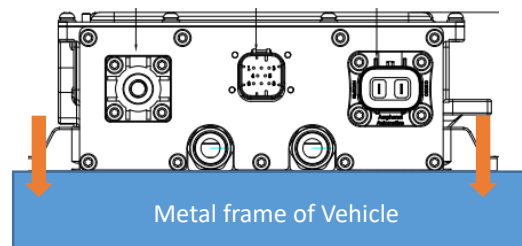


Fixed with M6*30 Bolt

Laid upon metal frame



Fixed with M6*30 Bolt



Fixed with M6*30 Bolt

*Side mounting are also acceptable, but mount horizontally is recommended since most of test in-house had done by this way)



DCDC converter should be grounded at position "4" as below by M8 bolt, with ring terminal of output -, the ground resistance should be less than 0.1 ohm by regulation requirement . These 4 pcs of M6 fixed bolts and bottom surface of DCDC converter chassis also be able to form additional grounding plate with metal frame of vehicle.

