

UK DECLARATION OF CONFORMITY



It is hereby declared that following designated product:

Product Type:DC-DC Converter

Product Description: See model list

This declaration applies to all specimens manufactured identical to the samples submitted for testing/evaluation.

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, SI 2012 No. 3032.

Assessment of compliance of the product with the requirements relating to electromagnetic compatibility 2016 SI 2016 NO.1091 was performed by Mornsun is based on the following standards:

- BS EN 62368-1:2020+A11:2020
- BS EN 55032:2015+A11:2020
- BS EN 55035:2017+A11:2020
- EN IEC 63000:2018

This declaration is the responsibility of the manufacturer:

MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD.

No.8, Nanyun Road 4, Huangpu District,Guangzhou GUANGZHOU, GUANGDONG, 510663

Authorised person signing for the company:

Naiqing Xie Regulation Compliance Manager Of MORNSUN

Name in block letters & position in the company

Guangzhou, 28th October. 2023

Place & date

Legally valid signature

Model list:

Input voltage: 18---36Vdc Input current: 32A				
Part number	Output voltage	Output current	Output power	Transformer type
VRF2412HB-500WR3-N*	12V	42A	504W	14271582(A/0,A/1,A/2,A/3,A/4,A/5,A/6,A/7,A/8,A/9)
VRF2415HB-500WR3-N*	15V	34A	510W	
VRF2424HB-500WR3-N*	24V	21A	504W	14271583(A/0,A/1,A/2,A/3,A/4,A/5,A/6,A/7,A/8,A/9)
VRF2428HB-500WR3-N*	28V	18A	504W	

If * is none, it means standard module. If * is "-yyy" to distinguish different customers, "yyy" represents any combination of letters form 1 to 3.

Model differences:

1. Inductance: The number of turns of the 12V/15V output model inductance is 3. The number of turns of the 24V/28V output model inductance is 6:3
2. Transformer: 12V/15V output model primary/secondary side turns ratio is 2:2; 24V/28V output model primary/secondary side turn ratio is 2:4
3. Rectification method: The whole series of devices adopt secondary side synchronous rectification.
4. The whole series of devices used in the main switch tube is the same.
5. Sub-side MOS tube: 12V/15V output model 60V MOS tube, 24V/28V output model 150V MOS tube.
6. Difference of schematic diagram: the Whole series adopts the same control level circuit and power level circuit.
7. Optocouplers and safety capacitors are all of the same model.
8. Heat sinks are all of the same model.