

Rectifier Module

R4850G2

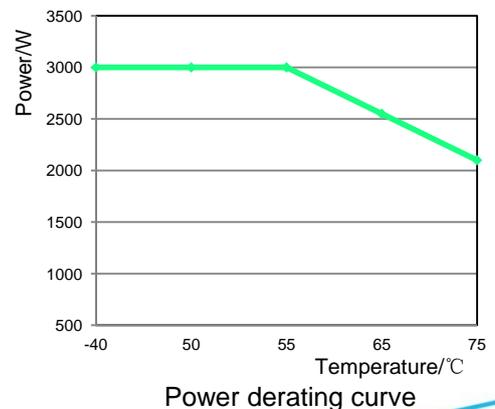
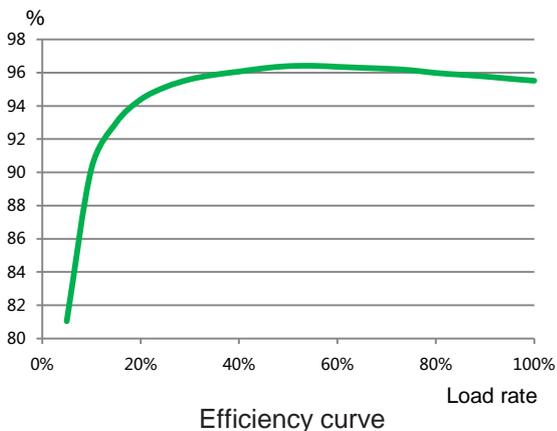
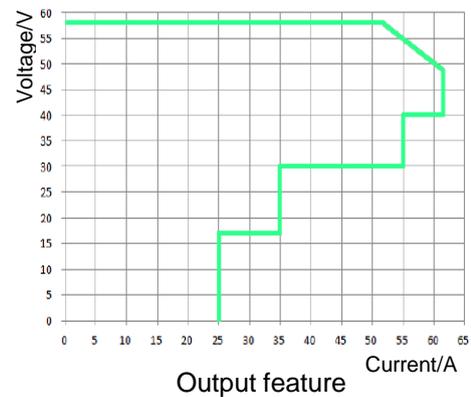


Introduction

The R4850G2 is a digital rectifier that converts the 85~300VAC to 53.5 VDC and possesses the characters of high efficiency, high power density, walk-in start, hot-plug, complete protection, and low noise. The rectifier adopts the latest power monitoring technology, implements the function of monitoring the states of loads and the rectifier status in real time. The output voltage of the rectifier can be adjusted through the host.

Feature

- High efficiency: >96%
- Input voltage range: 85~300VAC
- Operating temperature range: -40°C~75°C
- Total harmonic distortion(THD): ≤5%
- Hot-plug
- Digital control
- Intelligent electric meter
- Communication over CAN
- Adjustment of voltage and current
- Meet RoHS requirements
- Passing the TUV,CE,CB,UL certifications



Specifications

| Product | | R4850G2 |
|--------------------------------------|---------------------------------|--|
| Basic specifications | Dimension | 40.8(H)×105(W)×281(D)mm |
| | Weight | ≤2kg |
| | Cooling | Forced air cooling |
| Input feature | Input voltage | 85~300VAC |
| | Input mode | 220VAC single phase(or 110VAC dual live lines) |
| | Frequency | 45~66Hz, rated: 50Hz/60Hz |
| | Rated input current | <17A |
| | Power factor | ≥0.99 |
| | THD | ≤5% |
| Output feature | Output voltage | 42~58VDC, default value: 53.5VDC |
| | Output power | 3000W(176~300VAC) |
| Environmental specifications | Operating temperature | -40℃~+75℃(non-derating under 55℃) |
| | Storage temperature | -40℃~+75℃ |
| | Relative humidity | 5%~95%(non-condensing) |
| | Altitude range | ≤4000m(If the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m.) |
| Protection | Input overvoltage protection | Protection point: >300VAC |
| | Input undervoltage protection | Protection point: <80VAC |
| | Output overvoltage protection | 58.5~60.5VDC(can be set by PMU) |
| | Output short circuit protection | A long term short circuit is allowed. |
| | Over-temperature protection | Protection point: ≥75℃(167℉) |
| Reliability | MTBF | >500,000hours |
| Audible noises | Specification | ≤55dB(40℃, full load) |
| Safety/EMC/ Lightening protection | Safety certification | Passes TUV, CE, UL certifications Catch the CB certificate Complies with UL60950-1 IEC60950-1 EN60950-1 CAN/CSA C22.2 No. 60950 -1 |
| | EMC | EN55022 Class B EN55024 EN61000-3-2 EN61000-3-3 ETSI EN300 386 ETSI EN301489 ITU-T K.20 |
| | Lightening protection | YD 5098-2005 5KA |

Copyright © Huawei Technologies Co., Ltd. 2014. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808
www.huawei.com