

Quantum 48V/1200W

High Efficiency Rectifier

Part No: HE-5130101



Exicom's Quantum 48V/1200W rectifier is designed specifically for small power applications such as small cell deployment, enterprise applications such as PoE and VoIP, and also telecommunications roadside cabinet installations for IoT, Wi-Fi etc. Small depth allows pole mount, wall mount or in-building applications while features such as hot plug in, automatic registration allow fast network deployment.

>Key Features:

- > High efficiency of 94%
- > Wide operating input voltage and temperature range
- > Hot plugin and user friendly registration for easy maintenance
- > Small depth for pole mount, wall mount and in building applications
- > Multi-application use

>Applications:

- > Telecom: Small cells, LTE/WiMax, broadband & other low power installations
- > Smart Cities: Smart poles, surveillance etc.
- > Power Utilities: Control and protection and communication equipment
- Railways: Signalling, communication equipment and control & protection

Quantum 48V/1200W - Technical Specifications



AC INPUT

Voltage	85 – 300V ac
Frequency	45- 66Hz
Maximum Current	9.0A
THD	<5%
Power Factor	Typical 0.99
Input Protection	Off < 90 – 320V ac < Off Line & Neutral input fuses
Galvanic Isolation	
Input to Output	3000 V ac
Input to Ground	1500 V ac
Output to Ground	500 V ac

DC OUTPUT

Voltage	54.0V; Adj: 42.0 - 58.0V
Output Power	1,200W above 154-300Vac 500W at 85-154V ac
Maximum Current	22A
Current Sharing	+/-5% of max. current
Static Voltage regulation	+/-0.5% from 10% - 100% load
Dynamic Voltage Regulation	+/-5% for 10% - 90% load
Dynamic Voltage Regulation	+/-5% for 90% - 10% load
Hold up time, Max Op. Power	>10ms; output voltage > 42Vdc
Ripple Noise	<200 mV p-p 30MHz bandwidth
Output Protection	Over Voltage Shutdown Short Circuit Proof Inrush current limiting fuse Over Temperature Shut-Off
Efficiency	Peak 94.0%

OTHER SPECIFICATIONS

Operating Temperature	-40 to +55 °C 100% power o/p 55 to +65 °C, 50% derated power
Storage Temperature	-40 °C to +7 °C
Cooling	5% to 95% non-condensing
Humidity	Forced Air
Acoustic Noise	Less than 50dB(A)
MTBF	>500,000 hrs. (25 °C ambient)
Communication Interface	RS 485 Bus
Control & Monitoring	M1000 controller
Dimensions	86 x 42 x 191 (mm)
Weight	1 kg
LED Indications	
Green	Normal
Yellow	Protection Warning
Red	Failure
Indications	Failure Mains shutdown High temperature shutdown Rectifier failure Output overvoltage shutdown Fan fail

APPLICABLE STANDARDS

Electrical Safety	EN 60950
EMC/EMI	EN 55022, Class B
Environmental	EN 300 019-2-1/-2/-3

PART NO. DESCRIPTION

HE-5130101	Quantum 48V/1200W SMR
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Specifications are subject to change without notice

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Certification & Inspection

Certificate of Compliance



We hereby declare that the technical file of product complied with the requirement of directive 2014/35/EU Low Voltage Directive.

Certificate No.: CE-3429

Manufacturer

Name : Compag Automation Systems Private Limited

**Address : 20-21, New DLF Area, Faridabad, Faridabad,
Haryana, 121003, India**

**Products : BLDC Motor of Series -BLDC- 75, BLDC-125, BLDC-220
with Electronic Controller**

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Directive 2014/35/EU Low Voltage Directive.

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at www.ukcertifications.co.uk/verify

Date of initial registration

30th April 2018

Date of this Certificate

30th April 2018

Certificate Expiry

29th April 2019

Recertification Due (subject to the company maintaining its system to the required standard)

29th April 2021

Daniel..

Authorised Signatory



This certificate is the property of UK Certification & Inspection Limited and shall be returned immediately on request.

71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom

Website:- www.ukcertifications.co.uk, email:- info@ukcertifications.co.uk

Company No. 10517947

COMPAGE AUTOMATION SYSTEMS PVT. LTD.



Certificate of Quality, Protection and Safety for the parts supplied

It is to certify that the **Peak power** of the power train supplied for **ebaja SAEINDIA** by **COMPAGE AUTOMATION Systems PVT.LTD.** is 5450 watt.

- The parts i.e. Battery, Motor, Controller, Gearbox are IP65 compliant (water resistance).
- The system voltage of all the parts supplied by Compage is 48 volts nominal. Only in full charge condition the battery will not exceed 52 volts.
- The Parts motor and controller are CE compliant as per enclosed certificates.
- Compage does not have formal ROHS certification from any registered organization but Compage has tried to take care of ROHS compliance (Restriction of Hazardous Substances Directives).
- Protections of tripping in hazardous load condition is incorporated by DC contactor supplied in Compage system.
- All wires, cables used by Compage in harness are meant for LV. breakdown voltage of 1800 volts. The wires, cables used in harness are of manufactures with ISI make.
- Weight and sizes of the items supplied are maximally optimized.

Date of issue: 30 June 2018

For Compage Automation Systems (P) Ltd



Managing Director

Anil Aggarwal
Managing Director