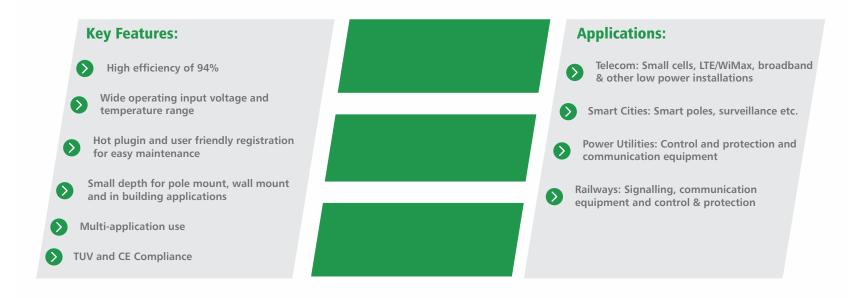


## **Quantum 48V/1200W High Efficiency Rectifier**



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.



## **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<br>Line & Neutral input fuses |
| Galvanic Isolation<br>Input to Output<br>Input to Ground<br>Output to Ground | 3000 V ac<br>1500 V ac<br>500 V ac                     |

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

Specifications are subject to change without notice

| Operating Temperature                                    | -40 to +55°C 100% power o/p<br>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<br>Weight                                     | 86 x 42 x 191 (mm)<br>1 kg  |
| LED Indications<br>Green<br>Yellow<br>Red<br>Indications | Normal Protection Warning Failure Failure Mains shutdown High temperature shutdown Rectifier failure Output overvoltage shutdown Fan fail |

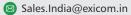
**OTHER SPECIFICATIONS** 

| 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 |

Web: www.exicom-ps.com

**India Sales** 



Plot 2A, Anath Road, Sector 18, Guragon 122015, India **APAC Sales** 

Sales.APAC@exicom.in

Exicom Tele-Systems (Singapore) Pte Ltd | 7500A, Beach Road, #12-318-9, The Plaza, Singapore 199591

**Africa Sales** 

Sales.Africa@exicom.in

77 / 79, Eric Moore Road, Surulere, Lagos, Nigeria