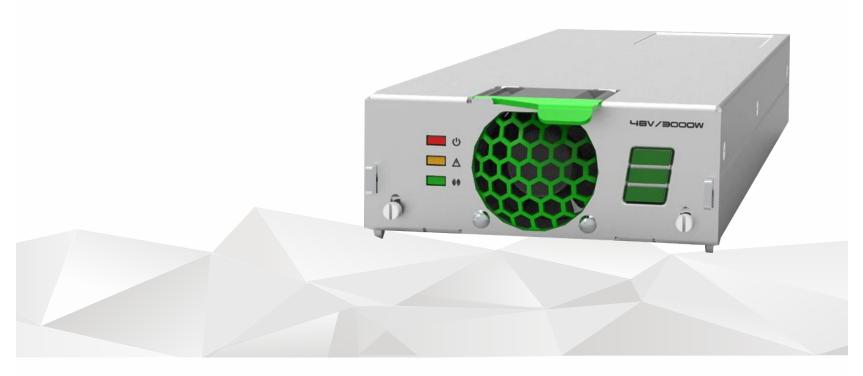


## **Serenity 48V/3000W High Efficiency Rectifier**



Exicom's new telecom rectifier Serenity 48V/3000W combines advance design for reliability and an industrial leading efficiency of 96%. The single phase, hot pluggable fan cooled rectifier provides outstanding power density while its intelligent & advanced protection features allow users to deploy it in any kind of environment – urban / rural / poor grid etc. It also comes with optional integrated distribution cabinet giving customers flexibility to meet higher power demands in tight spaces as per telecom requirements



## **Serenity 48V/3000W - Technical Specifications**



	AC INPUT
Voltage	90–300V ac
Frequency	45-66Hz
Maximum Current	18.0A
THD	<5%
Power Factor	Typical 0.99
Quiescent Power	< 15W typical
Input Protection	Off < 85 – 310V ac < Off Self Protection upto 420V ac Auto Shut-off, Auto-restart Line & Neutral input fuses MOV transient protection
Galvanic Isolation Input to Output Input to Ground Output to Ground	3000 V ac 1500 V ac 500 V ac

DC (	OUTPUT
Voltage	54.0V; Adj: 42.0 - 58.0V
Output Power	3,000W above 185 Vac
Maximum Current	62.5A at 48V
Current Sharing	+/-5% of max. current above 10% Load
Static Voltage regulation	+/-0.5% from 10% - 100% load
Dynamic Voltage Regulation	+/-5% for 10% - 90% load
Ripple Noise	<300 mV p-p 30MHz bandwidth <2mVrms psophometric
Output Protection	Over Voltage Shutdown Overload Foldback Short Circuit Proof Output Fuse Protection Over Temperature Shut-Off Hot-plug Inrush Current Limiting
Efficiency	Peak 96.0%

Specifications are subject to change without notice

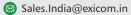
OTHER S	PECIFICATIONS
Operating Temperature	-40℃ to +75℃, Linear derating from40℃onwards
Storage Temperature	-40°C to +85°C
Cooling	Forced Air
Humidity: Operating Storage	5% to 95% non-condensing Upto 99% non-condensing
Acoustic Noise	Less than 55dB(A)
MTBF	>300.000 hrs.Telcordia SR-332
Dimensions	106x 50x 360(mm) 4.1"x 1.9" x 14.2"
IP rating	IP20
Weight	2.2kg (4.8 lbs)
Alarms	AC Input Abnormal AC over / UnderVoltage Rectifier OK /Fail Communication Failure Fan Fail Output OVP Output Low Voltage 2 Phase Operation Temperature Shut Down
Visual Indicator	Rectifier OK / Fail AC Over / UnderVoltage Output Over/Under Voltage Communication Fail Fan Fail / Temp. Shut Down 320,000 Hours

APPLICABLE STANDARDS		
Electrical Safety	EN 60950	
EMC	EN 61000-6-1	
	EN 61000-6-2	
	EN 61000-6-4	
Harmonics	EN 61000-3-2	
	EN 300 019-2-1	
Environmental	EN 300 019-2-2	
	EN 300 019-2-3	

	PART NO. DESCRIPTION
HE-512865	Serenity 48V/3000W SMR

Web: www.exicom-ps.com

**India Sales** 

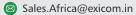


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