

Technical Specifications (Horizon 48V, 1400W)

AC Input	
Voltage	90 – 300V ac
Frequency	45-66Hz
Current	<=18.0A Maximum
THD	<= 10%
Power Factor	Typical 0.99
Protection	Internal Fuse
	MOV for transient
	Galvanic Isolation

Other Specifications	
Operating Temperature	-25°C to +75°C, Linear derating from 40°C 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
Alarms	AC Input Abnormal AC over / Under Voltage Rectifier OK /Fail Communication Failure Fan Fail Output OVP Output Low Voltage 2 Phase Operation Temperature Shut Down

DC Output	
Voltage	42.0 - 58.0V
Output Power	1400W
Maximum Current	27.5A for 48V DC
Current Sharing	+/-5% of max. current
Static Voltage regulation	+/-0.5% from 10% - 100% load
Ripple Noise	<300 mV p-p 30MHz bandwidth <4mVrms psophometric
Output Protection	Over Voltage Shutdown Overload Foldback Short Circuit Proof Output Fuse Protection Over Temperature Shut-Off Hot-plug Inrush Current Limiting
Efficiency	93.0%

Applicable Standards	
Electrical Safety	EN 60950 UL 60950
EMC	EN 61000-6-1 EN 61000-6-2 EN 61000-6-4
Harmonics	EN 61000-3-2
Environmental	EN 300 019-2-1 EN 300 019-2-2 EN 300 019-2-3

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LED Indications and Connector Details

Green	Yellow	Red
ON - AC OK OFF - AC Fail Flash - SMR Comm OK, Slow Flash - Sleep Mode	OFF - Normal Flash - SMR Comm Fail ON - AC Low / High Cutoff I/P Voltage, AC De-Rating Temperature De-Rating Output De-rating	OFF - Normal Flash - SMR Fan Fail ON - High Temp Shutdown Output Overvoltage Output Under voltage AC Low / High Cut-off



Connector Details

1	2	3	4	5	6	7	8
AC Input Pins			DC Output Pins				Comm Pins
Phase	Neutral	Earth	Positive		Negative		Comm Pins