Avionics Grade – 2kW Rectifier AJN-28V-2kW-3P

Section	Parameters	Specifications
Input	Input characteristics	AC Input Voltage: 360-460V L-L
		Nominal: 415V (L-L) 3-Phase
		Frequency: 50+/- 2Hz
	Input ON/OFF	3 Pole MCB on front panel, Input fuses to be provided.
	Isolation	Input / base plate isolation: > 10M Ohm
		Output / base plate isolation: > 10 M Ohm
Output		Input / Output isolation: > 10M Ohm
	Output voltage range	28V Nominal +/- 2V (settable)
	Output current	75A (min) continuous
	Line regulation	<= 2%
	Load regulation	<= 2% of set output voltage, for 10% to 100% load change throughout specified line variation
	Overload capacity	110% for 60 minutes & 125% for 1 minute Tripping 135% to 150% Short circuit protection
	Efficiency	>= 80%
	Ripple / Noise	100mV / 200m Vp-p (20MHz bandwidth)
	Turn on rise time	1500 ms (max)
	Indicators	LED to indicate the presence of input (3 phases), 400V (internal) DC OK, O/P DC OK, Overcurrent & Over temperature
	Display	Digital meter for displaying O/P voltage & current with up to two decimal digit resolution
	Switch and MCB	MCB for AC input ON/OFF Toggle switch for DC output ON/OFF Toggle switch for local/remote mode operation
	Cooling	Conduction cooled
Input Protection circuits	Input under voltage	Works below 330AC. Auto recovers once input voltage comes back into specified range
	Input over voltage	Works above 480AC to 520AC. Auto recovers after input voltage is within the specified range.
	Fuse	Internal fuse provided
Output Protection circuits	Over current protection	110% for 60 minutes and 125% for 1 minute Over current trip works over 130% to 150% of rated load and recovers automatically
	Over voltage protection	Works over 110% ~ 135%. Latch type protection. Mains input to be recycled to restore normal operation
	Short circuit protection	The output recovers automatically when short on output is removed
	Over temperature	+105°C +/- 5°C shutdown, recovery at 95°C +/-5°C
	Health status & controls	LAN interface for health & status monitoring for O/P voltage & current, temperature, I/P voltage & current, Fault status, etc.

Note: The technical data present in this document is for information purpose only and is subject to change without prior notice. Should you require more information, please reach us at info@zepcotek.com