NEXRAD SPIP POWER SUPPLY MINIMUM TECHNICAL REQUIREMENTS

The National Weather Service (NWS) is seeking a power supply suitable for use within the NEXRAD Doppler Meteorological Radar's Signal Processor Interface Panel (SPIP). The preferred configuration is equivalent to the TDK (Lambda) LZSA-500-3, including overall form, fit, function, and physical dimensions. However, the Government will accept direct form, fit, and function equivalent products that meets the following requirements.

ITEM DESCRIPTION	MINIMUM REQUIREMENT
Equipment Type	Enclosed Power Supply
OUTPUT VOLTAGE RATING	28 VDC
OUTPUT CURRENT RATING	12 A
Input Voltage Range	85 – 265 VAC
Input Frequency	47 – 63 Hz
Input	Single phase
Features	Complies with MIL-STD-810 Shock and Vibration standard Operates in radar environment and provides protection against electromagnetic interference, transients, and lightning-induced surges
Cooling	Forced Air
Size (W x H x D)	4.25” x 4.75” x 10.25”
Operating Temperature Range	-20˚C to +50˚C
Safety Certification	UL and/or CSA recognized components
Condition	New, unused equipment only
Warranty	Minimum five (5) year manufacturer warranty