

STORAGE DENSITY CONSIDERATIONS

Most IT datacenters are space constrained. Therefore, if a storage system can deliver its capacity in one-half or one-third the rack space it offers a compelling advantage. The Nexsan E60[™] delivers an industry-leading 240TB in just 4U of rack space, and 720TB in just 12U. There are competing vendors that offer a 4U/60-drive chassis, but not all storage chassis are created equal. Expertise in density is not just about conserving rack space. It's about delivering the most reliable systems on the market in the least amount of space. Greater density means fewer components to potentially fail, itself contributing to greater reliability. In addition, Nexsan has innovated 4 technologies in the E-Series that work in unison to provide the best dense storage systems available.

E-Series Model	3.5" Drive Density
E60	15 drives per U
E48	12 drives per U
E18	9 drives per U



1 ANTI-VIBRATION TECHNOLOGY

Because the drives are in close proximity, vibration needs to be contained. Nexsan uses Anti-vibration Technology™ which includes mounting the drives in sturdy drawers, mounting them counter-rotating and using thick metal plates to reduce resonant vibration build-up.

2 SUPERIOR COOLING

Nexsan Cool Drive Technology™ uses speed-variable fans which pull air in the front, fans which push air out the back, and well-engineered air channels that go straight from the front to the back of the chassis, providing superior cooling for each drive.

AUTOMAID



3 POWER MANAGEMENT

When a pool of drives is not being actively accessed, Nexsan's AutoMAID® power management can save 87% on power and cooling. Power management is policy-based, granular on the per-pool level, and flexible.



4 NO DOWNTIME ARCHITECTURE

Nexsan E-Series is fully fault-tolerant. Putting up to 60 drives into a 4U chassis eliminates the need to run an excessive number of SAS, Fibre Channel Ethernet and power cables, resulting in increased system reliability. Active Drawer Technology™ eliminates the possibility of a cable getting tugged loose while drives and fans are being serviced – with no downtime.