



光语
GLORY

Enterprise-class high-performance SAS SSD ES3000-G V6 Series

Datasheet



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STORAGE

SSD Components



2.5 million hours
Mean time without failure



Two-port reliability



2200 /s Sequential
read bandwidth



400K write IOPS

■ Technical Specification

Model number		ES3500S-G V6			ES3600S-G V6
Base specification	Form	2.5 inches			
	Port	SAS 3.0 12 Gb/s			
	NAND Flash	3D TLC			
	Capacity	1920GB	3840GB	7680GB	3200GB
two-port	Sequential read/write Bandwidth @128KB	2200/2100 MB/s	2200/2100 MB/s	2200/2100 MB/s	2200/2100 MB/s
	Random read/write IOPS@4KB	400/80K	400/85K	400/120K	430/170K
	Average read/write Delay @1QD	105µs/45 µs	105µs/45 µs	105µs/45 µs	105µs/45 µs
	Average power consumption (Idle, Active)	<5W, 10W	<5W, 10W	<5W, 10W	<5W, 10W
Single port	Sequential read/write Bandwidth @128KB	1100/1000 MB/s	1100/1100 MB/s	1100/1100 MB/s	1100/1100 MB/s
	Random read/write IOPS@4KB	215/80K	215/85K	215/120K	215/130K
	Average read/write Delay @1QD	105µs/45 µs	105µs/45 µs	105µs/45 µs	105µs/45 µs
	Average power consumption (Idle, Active)	<5W, 10W	<5W, 10W	<5W, 10W	<5W, 10W
Life span	DWPD (5 years) ¹	1	1	1	3
	Maximum write data (PBW) ²	3.504PB	7.008PB	14.016PB	17.52PB
Reliability	Mean time without failure (MTBF)	2.5 million hours			
	Annual failure rate (AFR)	≤0.35%			
	Bit error rate (UBER)	10 ⁻¹⁸			
	two-port	support			
	TRIM	support			
	Power failure protection	support			
	Particle failure protection	support			

Note:
Performance results are based on internal testing and usage. Results and performance may vary depending on configuration and system, including device capacity, operating system version, and test tools. Specifications are subject to change without notice.
¹ DWPD is tested according to JEDEC219 standard. If the DWPD is below the specified value, the SSD can be used for 5 years. Otherwise, the service life of the SSD will be affected.
² Maximum write data: measured in PB write (PBW)



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