

INFORMATION ON REGULATION (EU) 2023/1542  
 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
 Article 10 – Performance and Durability Requirements  
**VRLA Motive Batteries**



Model	Rated capacity (Ah) 20Hr to 1.75vpc @ 25C	Capacity Fade (%)	Max Charge Current (Amps)	Power at 20hr rate (W)	Ratio of nominal battery power (W) and battery energy (Wh)	Power Fade (%)	Power at 80% SOC at 20hr rate (W)	Power at 20% SOC at 20hr rate (W)	Internal resistance ( $\Omega$ )	Internal resistance increase (%)	Round trip efficiency (%)	Expected life-time cycles, 100% DOD
T105-AES	207	50% by end of life	20% of C <sub>20</sub>	67	0.05	80	66	62	0.0019	50	92	1000
T875-AES	158	50% by end of life	20% of C <sub>20</sub>	68	0.05	80	67	63	0.0030	50	92	1000
T1275-AES	130	50% by end of life	20% of C <sub>20</sub>	84	0.05	80	83	78	0.0043	50	92	1000
24-AES	76	50% by end of life	20% of C <sub>20</sub>	49	0.05	80	48	45		50	92	1000
27-AES	102	50% by end of life	20% of C <sub>20</sub>	66	0.05	80	65	61		50	92	1000
31-AES	100	50% by end of life	20% of C <sub>20</sub>	65	0.05	80	64	60	0.0048	50	92	1000
OVERDRIVE 31-AES	104	50% by end of life	20% of C <sub>20</sub>	67	0.05	80	66	62	0.0048	50	92	1000
J185-AES	175	50% by end of life	20% of C <sub>20</sub>	114	0.05	80	112	105	0.0045	50	92	1000
J305-AES	279	50% by end of life	20% of C <sub>20</sub>	90	0.05	80	89	83	0.0017	50	92	1000



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L16-AES	355	50% by end of life	20% of C <sub>20</sub>	115	0.05	80	113	106	0.0017	50	92	1000
SAES 06 220	207	50% by end of life	20% of C <sub>20</sub>	67	0.05	80	66	62	0.0019	50	92	1000
SAES 12 135	130	50% by end of life	20% of C <sub>20</sub>	84	0.05	80	83	78	0.0043	50	92	1000
SAES 12 105	100	50% by end of life	20% of C <sub>20</sub>	65	0.05	80	64	60	0.0048	50	92	1000
SAES 12 205	175	50% by end of life	20% of C <sub>20</sub>	114	0.05	80	112	105	0.0045	50	92	1000
SAES 06 315	279	50% by end of life	20% of C <sub>20</sub>	90	0.05	80	89	83	0.0017	50	92	1000
SAES 06 375	355	50% by end of life	20% of C <sub>20</sub>	115	0.05	80	113	106	0.0017	50	92	1000

