

INFORMATION ON REGULATION (EU) 2023/1542
 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
 Article 10 – Performance and Durability Requirements
VRLA Stationary 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 (Ω)	Internal resistance increase (%)	Round Trip efficiency (%)	Expected Life in Time (Yrs)	Expected life-time cycles, 100% DOD
UPS12-615MRF	180	80% by end of life	C ₂₀ /5Amps	117	0.05	80	115	108	0.0022	50	94	3	
UPS12-700MRF	206	80% by end of life	C ₂₀ /5Amps	134	0.05	80	131	123	0.0021	50	94	3	
UPS12-1000MRF	230	80% by end of life	C ₂₀ /5Amps	149	0.05	80	147	138	0.0017	50	94	3	
UPS12-675PLPF	180	80% by end of life	C ₂₀ /5Amps	117	0.05	80	115	108	0.0022	50	94	5+	
UPS12-705PLPF	206	80% by end of life	C ₂₀ /5Amps	134	0.05	80	131	123	0.0021	50	94	5+	
UPS12-1005PLPF	230	80% by end of life	C ₂₀ /5Amps	149	0.05	80	147	138	0.0017	50	94	5+	



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UPS12-675PLMF	180	80% by end of life	C ₂₀ /5Amps	117	0.05	80	115	108	0.0022	50	94	8+	
UPS12-705PLMF	206	80% by end of life	C ₂₀ /5Amps	134	0.05	80	131	123	0.0021	50	94	8+	
UPS12-1005PLMF	230	80% by end of life	C ₂₀ /5Amps	149	0.05	80	147	138	0.0017	50	94	8+	
TEL12-155FHT	170	80% by end of life	C ₂₀ /5Amps	110	0.05	80	108	102	0.0047	50	94	7+	
TEL12-170FHTG	178	80% by end of life	C ₂₀ /5Amps	116	0.05	80	113	106	0.0039	50	94	7+	
TEL12-180FHT	200	80% by end of life	C ₂₀ /5Amps	130	0.05	80	128	120	0.0031	50	94	7+	
TEL12-190FHT	220	80% by end of life	C ₂₀ /5Amps	143	0.05	80	140	132	0.0026	50	94	7+	
TEL12-200FHT	220	80% by end of life	C ₂₀ /5Amps	143	0.05	80	140	132	0.0038	50	94	7+	
TEL12-180F	200	80% by end of life	C ₂₀ /5Amps	130	0.05	80	128	120	0.0040	50	94	5	



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TEL12-210F	230	80% by end of life	C ₂₀ /5Amps	149	0.05	80	147	138	0.0038	50	94	5	
AT-17P	1024	80% by end of life	C ₂₀ /5Amps	111	0.05	80	109	102	287*	50	94	9+	
AT-19P	1202	80% by end of life	C ₂₀ /5Amps	130	0.05	80	127	120	255*	50	94	9+	
AT-21P	1280	80% by end of life	C ₂₀ /5Amps	138	0.05	80	136	127	231*	50	94	9+	
AT-23P	1470	80% by end of life	C ₂₀ /5Amps	159	0.05	80	156	146	212*	50	94	9+	
AT-25P	1538	80% by end of life	C ₂₀ /5Amps	166	0.05	80	163	153	194*	50	94	9+	
AT-27P	1738	80% by end of life	C ₂₀ /5Amps	188	0.05	80	184	173	181*	50	94	9+	
AT-29P	1794	80% by end of life	C ₂₀ /5Amps	194	0.05	80	190	179	171*	50	94	9+	
AT-35P	2272	80% by end of life	C ₂₀ /5Amps	245	0.05	80	241	226	148*	50	94	9+	



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AT-39P	2434	80% by end of life	C ₂₀ /5Amps	263	0.05	80	258	242	142*	50	94	9+	
									* Biddle Impedance (milli-ohms)				
100LF19	1026	80% by end of life	C ₂₀ /5Amps	111	0.05	80	109	102		50	94	9+	
100LF21	1140	80% by end of life	C ₂₀ /5Amps	123	0.05	80	121	113		50	94	9+	
100LF23	1254	80% by end of life	C ₂₀ /5Amps	135	0.05	80	133	125		50	94	9+	
100LF25	1368	80% by end of life	C ₂₀ /5Amps	148	0.05	80	145	136		50	94	9+	
100LF27	1482	80% by end of life	C ₂₀ /5Amps	160	0.05	80	157	147		50	94	9+	
100LF29	1596	80% by end of life	C ₂₀ /5Amps	172	0.05	80	169	159		50	94	9+	
100LF31	1710	80% by end of life	C ₂₀ /5Amps	185	0.05	80	181	170		50	94	9+	
100LF33	1824	80% by end of life	C ₂₀ /5Amps	197	0.05	80	193	181		50	94	9+	



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100LC19	1032	50% by end of life	20% of C ₂₀	111	0.05	80	109	103		50	92		600
100LC21	1146	50% by end of life	20% of C ₂₀	124	0.05	80	121	114		50	92		600
100LC23	1262	50% by end of life	20% of C ₂₀	136	0.05	80	134	126		50	92		600
100LC25	1376	50% by end of life	20% of C ₂₀	149	0.05	80	146	137		50	92		600
100LC27	1490	50% by end of life	20% of C ₂₀	161	0.05	80	158	148		50	92		600
100LC29	1526	50% by end of life	20% of C ₂₀	165	0.05	80	162	152		50	92		600
100LC31	1634	50% by end of life	20% of C ₂₀	176	0.05	80	173	163		50	92		600
100LC33	1744	50% by end of life	20% of C ₂₀	188	0.05	80	185	174		50	92		600

