

INFORMATION ON REGULATION (EU) 2023/1542
 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
 Article 10 – Performance and Durability Requirements
 VRLA Stationary Batteries (Industrial Batteries with Capacity > 2kWh)



Model	Rated Capacity (Ah,1.75V@C20)	Capacity Fade (%)	Max Charge Current(Amps)	Power at 20Hr Rate (W)	Ratio of nominal battery power (W) and battery energy (Wh)	Power capability at 80% SOC at 20Hr Rate(W)	Power capability at 20% SOC at 20Hr Rate(W)	Hioki Internal Resistance (mΩ)	Internal Resistance Increase (%)	Energy Round Trip Efficiency(%)	Expected Life in Time (Y)
UPS 12-615 MRXF	172	80	C ₂₀ /5	112	0.05	110	103	2.2	50	95	3
UPS 12-700 MRXF	201	80	C ₂₀ /5	130	0.05	128	120	2.1	50	95	3
UPS 12-830 MRXF	251	80	C ₂₀ /5	163	0.05	160	150	2	50	95	3
UPS 12-1000 MRXF	254	80	C ₂₀ /5	165	0.05	162	152	1.7	50	95	3
UPS 12-700 MRX	228	80	C ₂₀ /5	148	0.05	145	136	1.8	50	95	3
UPS 12-720 MRX	234	80	C ₂₀ /5	152	0.05	149	140	1.9	50	95	3
UPS 12-800 MRX	226	80	C ₂₀ /5	147	0.05	144	135	1.85	50	95	3
UPS 12-830 MRX	236	80	C ₂₀ /5	153	0.05	150	141	1.7	50	95	3
UPS 12-6200F PLP	172	80	C ₂₀ /5	112	0.05	110	103	2.4	50	95	3
UPS 12-6800F PLP	202	80	C ₂₀ /5	131	0.05	129	121	2.2	50	95	3
UPS 12-8000F PLP	252	80	C ₂₀ /5	164	0.05	161	151	2.1	50	95	3
UPS 12-9200F PLP	254	80	C ₂₀ /5	165	0.05	162	152	2	50	95	3
UPS 12-6900FD PLM	228	80	C ₂₀ /5	148	0.05	145	136	1.8	50	95	7.5
UPS 12-7000FD PLM	234	80	C ₂₀ /5	152	0.05	149	140	1.9	50	95	7.5
UPS 12-7900FD PLM	226	80	C ₂₀ /5	147	0.05	144	135	1.85	50	95	7.5
UPS 12-8200FD PLM	236	80	C ₂₀ /5	153	0.05	150	141	1.7	50	95	7.5
UPS 12-6200F PLM	172	80	C ₂₀ /5	112	0.05	110	103	2.4	50	95	7.5



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UPS 12-6800F PLM	202	80	C ₂₀ /5	131	0.05	129	121	2.2	50	95	7.5
UPS 12-8000F PLM	252	80	C ₂₀ /5	164	0.05	161	151	2.1	50	95	7.5
UPS 12-9200F PLM	254	80	C ₂₀ /5	165	0.05	162	152	2	50	95	7.5
TEL12-155FHT	170	80	C ₂₀ /5	110	0.05	108	102	4.7	50	95	7
TEL12-170FGHT*	178	80	C ₂₀ /5	116	0.05	113	106	3.9	50	95	7
TEL12-160FHT	172	80	C ₂₀ /5	112	0.05	110	103	3.8	50	95	7
TEL12-180FHT	200	80	C ₂₀ /5	130	0.05	128	120	4	50	95	7
TEL12-190FHT	220	80	C ₂₀ /5	143	0.05	140	132	4	50	95	7
TEL12-200FHT	220	80	C ₂₀ /5	143	0.05	140	132	3.8	50	95	7
TEL12-210FHT	220	80	C ₂₀ /5	143	0.05	140	132	3.8	50	95	7
TEL12-155F	170	80	C ₂₀ /5	110	0.05	108	102	4.7	50	95	3
TEL12-160F	172	80	C ₂₀ /5	112	0.05	110	103	3.8	50	95	3
TEL12-170F	178	80	C ₂₀ /5	116	0.05	113	106	3.9	50	95	3
TEL12-180F	200	80	C ₂₀ /5	130	0.05	128	120	4	50	95	3
TEL12-190F	220	80	C ₂₀ /5	143	0.05	140	132	4	50	95	3
TEL12-210F	230	80	C ₂₀ /5	149	0.05	147	138	3.8	50	95	3
AES 12-2170F	192	50	C ₂₀ /5	125	0.05	121	114	4.6	50	93.5	500cycles
AES 12-2870F	224	50	C ₂₀ /5	146	0.05	141	133	3.6	50	93.5	500cycles

