

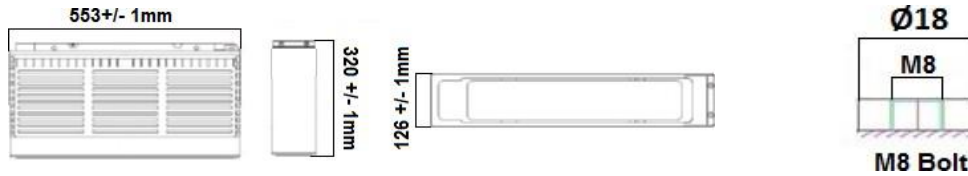
YGY12-190 FT Front Terminal AGM Battery

- ✘ Long-Term Storage, High Performance, Truly Maintenance-Free
- ✘ Stable Quality and High Reliability Performance
- ✘ Special Grid Alloy and Production Technology with Advanced Tech.
- ✘ 12+ Year Life Expectancy
- ✘ Excellent Sealing Resistance With Thermal Adhesion
- ✘ %99 Recombination Capability
- ✘ %100 Quality Control Approved M18 Valve Use
- ✘ Outstanding AGM (Absorbed Glass Matt) Technology
- ✘ Use of ABS-FR Material according to UL94
- ✘ Battery Design according to 23 "48VDC Cabin Standards
- ✘ Production according to TS EN 60896-21 / 22 Standards



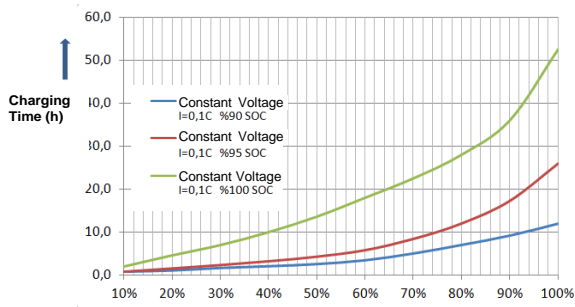
Field of Applications

- | | |
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| <ul style="list-style-type: none"> ✘ Telecommunication ✘ Uninterruptible Power Supplies ✘ Electric Power System (EPS) ✘ Emergency Lighting Systems | <ul style="list-style-type: none"> ✘ Alarm and Security Systems ✘ Communication Power Supplies ✘ DC Power Supplies ✘ Automatic Control Systems |
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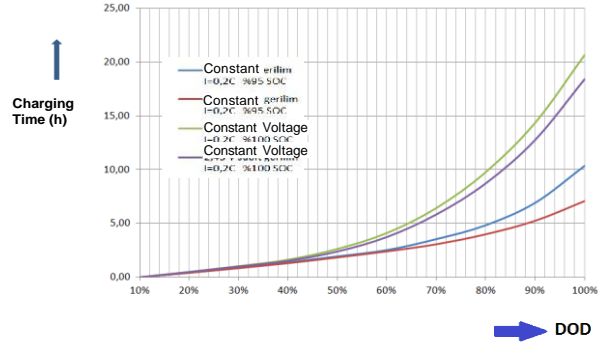


Battery Type	YGY12-190 FT			
Nominal Voltage	12V			
Nominal Capacity	190Ah @ 10 HR 1.8V/Cell @ 20°C			
	187,2Ah @ 8 HR 1.75V/Cell @ 20°C			
	153,3Ah @ 3 HR 1.7V/Cell @ 20°C			
	131,8Ah @ 1 HR 1.6V/Cell @ 20°C			
Dimensions (mm)	Length	Width	Height	Total Height
	553	126	320	320
Weight (Kg)	58,5 ± %5			
Int. Resistance TS EN 60896-21	Max. 3,8 mΩ @ 25°C			
Self Discharge	Max %3Ah/Ay @ 25°C			
Stock Life	Requires Charging After 6 Month @ 25°C Standby Period.			
Operating Temperature	Discharge	-40°C/+71°C		
	Charge	-23°C/+60°C (Chargin must be balanced according to temperature)		
	Normal	-40°C/+71°C		

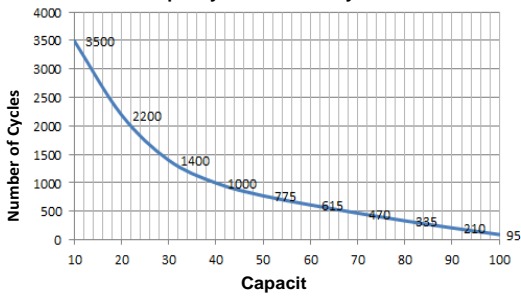
Floating Voltage - Charging Time Graph



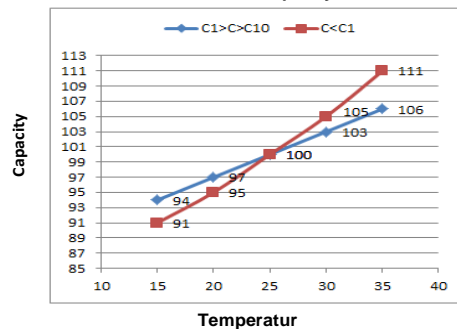
Cycle Voltage- Charging Time Graph



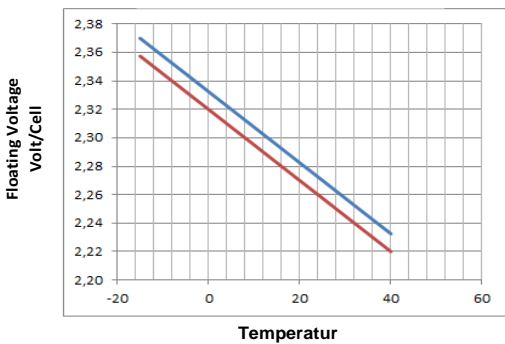
Capacity - Number of Cycles



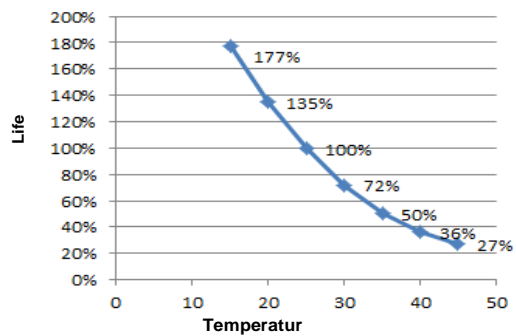
Temperature - Capacity



Floating Voltage - Temperature



Temperature - Life



Constant Current Discharge Table @20 °C

	15m	20m	30m	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1,60 V/Cell	342,2	291,1	220,5	131,8	72,4	51,7	41,3	34,5	29,9	26,6	23,7	19,5	10,4
1,65 V/Cell	329,5	282,3	215,5	129,3	71,6	51,5	41,1	34,5	29,8	26,5	23,7	19,4	10,4
1,70 V/Cell	318,1	271,9	209,1	128,0	70,6	51,1	40,7	34,3	29,7	26,4	23,6	19,4	10,4
1,75 V/Cell	299,1	256,7	199,0	123,7	69,5	50,3	40,3	34,1	29,5	26,1	23,4	19,3	10,3
1,80 V/Cell	270,0	236,6	186,3	118,8	67,2	49,4	39,5	33,6	29,2	25,9	23,2	19,0	10,3
1,85 V/Cell	233,2	210,7	168,6	108,2	62,5	45,5	37,0	31,2	27,0	24,0	21,4	17,5	9,3