

BATTERIA SIGILLATA AGM DEEP-CYCLE (USO CICLICO)
DEEP-CYCLE AGM MAINTENANCE FREE BATTERY

ZL1201135



CHARACTERISTIC / CARATTERISTICHE

Volt	12V	
Capacity / Capacità	20h	220Ah
	5h	180Ah
Internal Resistance	Full Charged Battery 25°C ≤2.7mΩ	
Capacity affected by Temperature / Effetti delle temperature sulla capacità	40°C	102%
	25°C	100%
	0°C	85%
Self-Discharge 25°C Capacity / Autoscarica a 25°C	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge cycle / Ciclo di carica	IU + h	"In" max. 44Amp; "V1" 2.43V/cell
	IUIa	"In" max. 44Amp; "V1" 14.4Volt; "If" 2Amp.

CHARACTERISTIC / CARATTERISTICHE

Battery dimensions / Dimensioni batteria			
L/L	W/P	H/A	Tot - H/A
522	240	219	224
Box Dimensions / Dimensioni scatola			
L/L	W/P	H/A	
537	284	299	
USA Type			4D
Weight / Peso			65,8 Kg
Terminal / Terminali			M8
Case / Contenitore			ABS

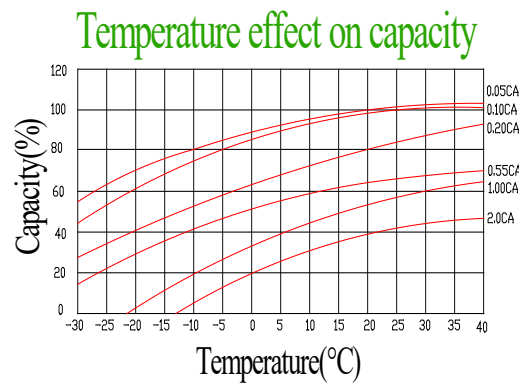
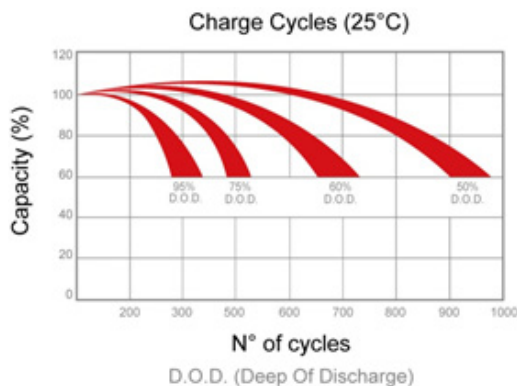
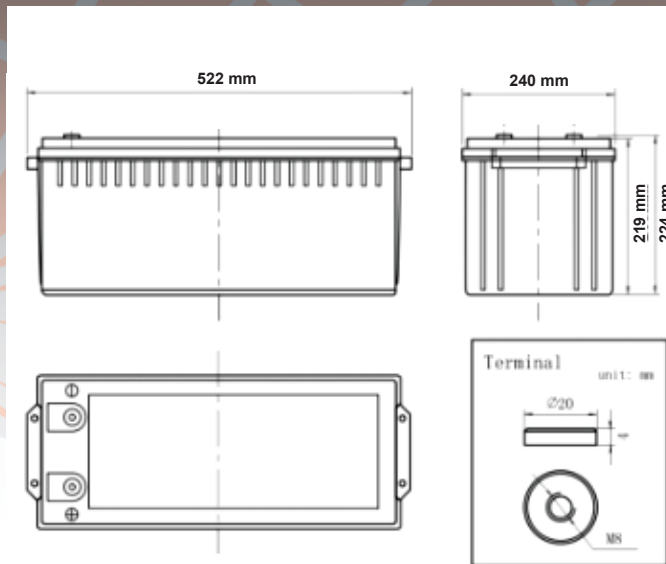
Amp. (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V			283.1	180.3	133.1	122.2	77.6	54.5	37.0	24.4	21.8	11.9
1.65V			278.0	177.0	130.7	120.0	76.2	53.5	36.4	24.0	21.4	11.7
1.70V			272.8	173.7	128.3	117.8	74.7	52.5	35.7	23.6	21.0	11.4
1.75V			267.7	170.5	125.8	115.5	73.3	51.5	35.0	23.1	20.6	11.2
1.80V			257.4	163.9	121.0	111.1	70.5	49.5	33.7	22.2	19.8	11.0

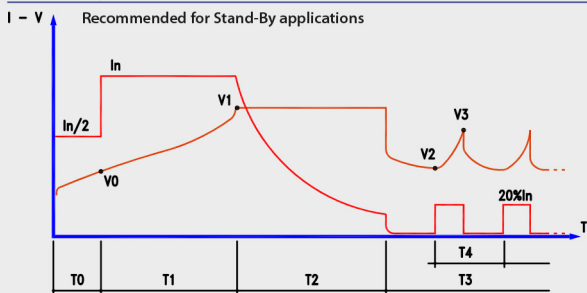
Watts (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V			545.0	347.1	256.2	235.3	149.3	104.8	71.3	47.1	41.9	22.9
1.65V			535.1	340.7	251.6	231.0	146.6	102.9	70.0	46.2	41.2	22.4
1.70V			525.2	334.4	246.9	226.7	143.9	101.0	68.7	45.3	40.4	22.0
1.75V			515.3	328.1	242.2	222.4	141.2	99.1	67.4	44.5	39.6	21.6
1.80V			495.5	315.5	232.9	213.9	135.7	95.3	64.8	42.8	38.1	21.2

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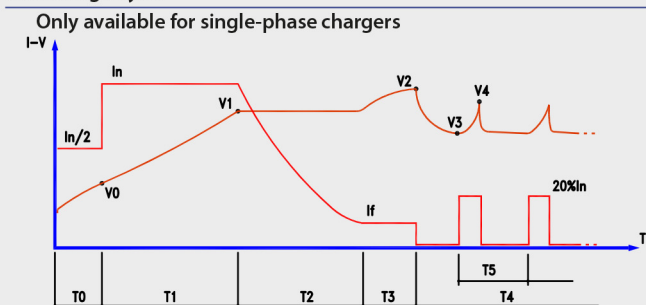
Charge cycle for sealed batteries (GEL/AGM): IU + holding



- I_n = PROGRAMMED CAPACITY/10
- V_0 = 1,90 V/CELL
- V_1 = PROGRAMMED VALUE
- V_2 = 2.10 V/CELL
- V_3 = 2.30 V/CELL
- T_0 = MAX. 1 HR
- T_1 = MAX. 12 HRS
- T_2 = T_1 (MIN. 2-MAX. 5 HRS)
- T_3 = UNLIMITED

“IUIa” charge cycle is always recommended in case of more than 2 batteries in series
Ciclo di carica “IUIa” è sempre necessario qualora ci siano più di 2 batterie collegate in serie.

IUIa charge cycle



- I_n = PROGRAMMED VALUE (CHARGE I)
- I_f = PROGRAMMED VALUE (FINAL I)
- V_0 = 1,90 V/CELL
- V_1 = PROGRAMMED VALUE (THRESHOLD V)
- V_2 = PROGRAMMED VALUE (LOCK V)
- V_3 = 2.10 V/CELL
- V_4 = 2.30 V/CELL
- T_0 = MAX. 1 HR
- T_1 = MAX. 12 HRS
- T_2 = MAX. T_1+6 HRS OR $I = I_f$
- T_3 = MAX. 4 HRS
- T_4 = UNLIMITED
- T_5 = MAX. 6 HRS