

CODICE/CODE: **ZL120190**

Batteria sigillata AGM DEEP-CYCLE (uso ciclico)
DEEP-CYCLE AGM maintenance free battery



Volt		12V
Capacity/capacità (20h)		115Ah
Capacity/capacità 25°C	10h	99Ah
	5h	90Ah
	1h	61Ah
Internal Resistance	Full Charged Battery 25°C	≤5.0m Ω
Capacity affected by Temperature/Effetti della temperatura 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. 22Amp; "V1" 2.43V/cell
	IUIa	"In" max. 22Amp; "V1" 14.4Volt; "If" 1Amp.

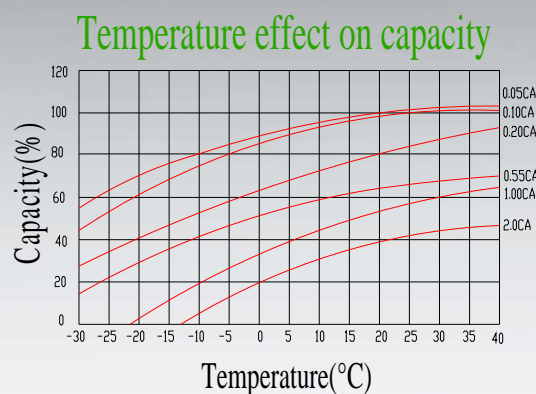
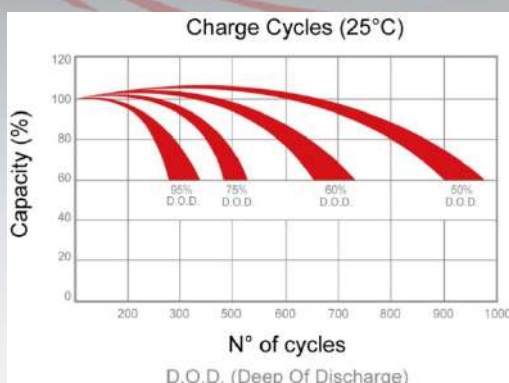
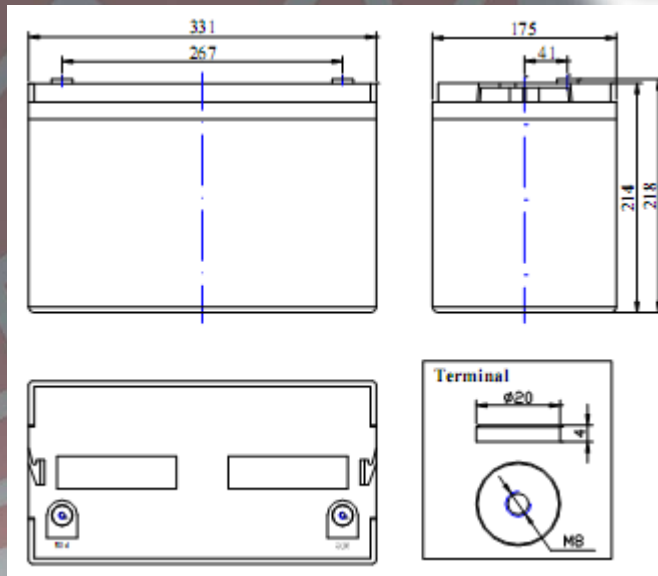
Battery Dimensions/ Dimensioni batteria	L/L	331mm
	W/P	175mm
	H/A	214mm
	Tot- H/A	218mm
Box Dimensions/ Dimensioni scatola	L/L	346mm
	W/P	188mm
	H/A	289mm
USA group		31
Weight/peso		33Kg
Terminal/terminal		M8
Case/contenitore		ABS

Amp. (25°C)

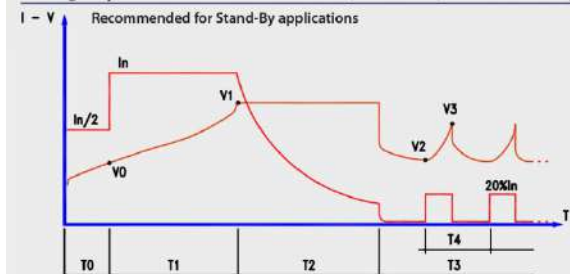
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	261.4	166.6	141.6	90.4	66.4	61.0	38.8	27.2	18.5	12.2	10.9	6.05
1.65V	256.6	163.6	139.0	88.7	65.2	59.9	38.1	26.7	18.2	12.0	10.7	5.94
1.70V	251.9	160.6	136.4	87.1	64.0	58.8	37.4	26.2	17.8	11.8	10.5	5.83
1.75V	247.1	157.5	133.8	85.5	62.8	57.7	36.7	25.7	17.5	11.5	10.3	5.72
1.80V	237.6	151.5	128.7	82.2	60.4	55.4	35.2	24.8	16.8	11.1	9.9	5.50

Watts (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	503.1	320.7	272.5	174.0	127.9	117.4	74.6	52.4	35.6	23.5	21.0	11.6
1.65V	494.0	314.9	267.6	170.8	125.6	115.3	73.3	51.5	35.0	23.1	20.6	11.4
1.70V	484.8	309.1	262.6	167.7	123.2	113.1	71.9	50.5	34.3	22.6	20.2	11.2
1.75V	475.7	303.2	257.7	164.5	120.9	111.0	70.6	49.5	33.7	22.2	19.8	11.0
1.80V	457.4	291.6	247.7	158.2	116.3	106.7	67.8	47.6	32.4	21.3	19.1	10.6



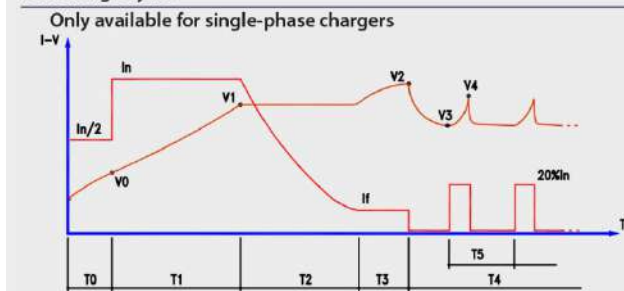
Charge cycle for sealed batteries (GEL/AGM): IU + holding



- 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

“IU1a” charge cycle is always recommended in case of more than 2 batteries in series
 Ciclo di carica “IU1a” è sempre necessario qualora ci siano più di 2 batterie collegate in serie

IU1a 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