

CODICE/CODE: **ZL120155**

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



Volt		12V
Capacity/capacità (20h)		55Ah
Capacity/capacità 25°C	10h	50Ah
	5h	45Ah
	1h	30.6Ah
Internal Resistance	Full Charged Battery 25°C	≤10m Ω
Capacity affected by Temperature/Effetti della 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. 12Amp; "V1" 2.43V/cell
	IUIa	"In" max. 12Amp; "V1" 14.4Volt; "If" 0.5Amp.

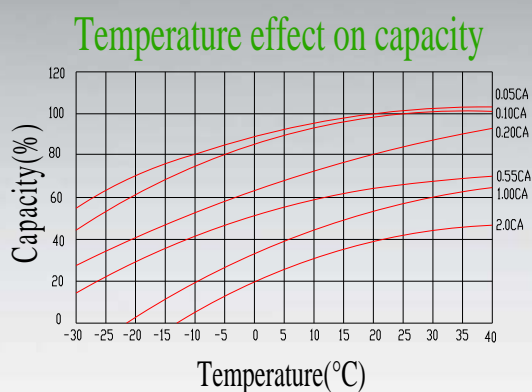
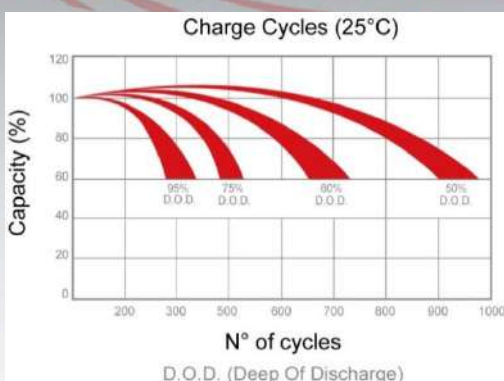
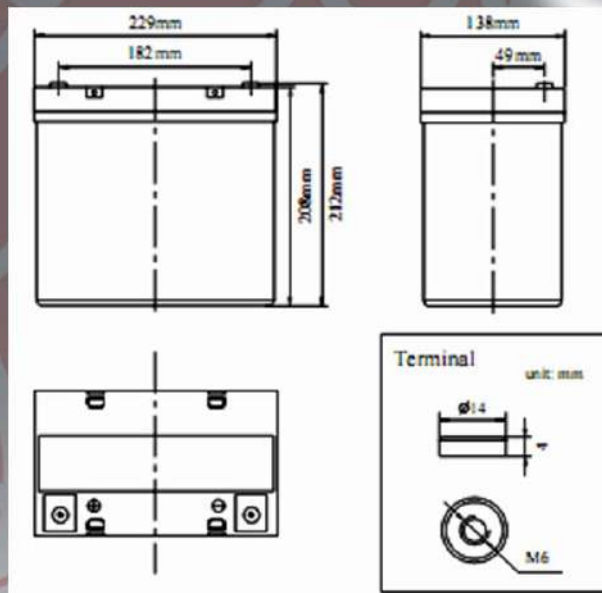
Battery Dimensions/ Dimensioni batteria	L/L	229mm
	W/P	138mm
	H/A	208mm
	Tot- H/A	212mm
Box Dimensions/ Dimensioni scatola	L/L	244mm
	W/P	152mm
	H/A	254mm
Weight/peso		18.3Kg
Terminal/terminal		M6
Case/contenitore		ABS

### Amp. (25°C)

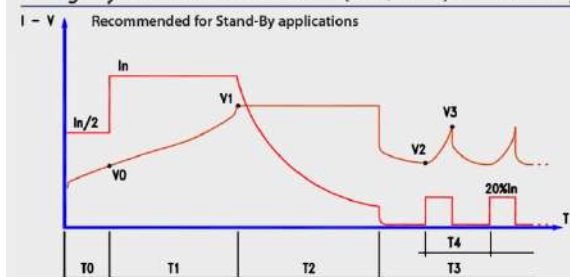
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	130.7	83.2	70.8	45.1	33.3	30.6	19.4	13.6	9.3	6.1	5.4	3.03
1.65V	128.3	81.7	69.5	44.3	32.7	30.0	19.0	13.4	9.1	6.0	5.3	2.97
1.70V	125.9	80.2	68.2	43.4	32.1	29.4	18.7	13.1	8.9	5.9	5.2	2.92
<b>1.75V</b>	<b>123.6</b>	<b>78.7</b>	<b>66.9</b>	<b>42.6</b>	<b>31.5</b>	<b>28.9</b>	<b>18.3</b>	<b>12.9</b>	<b>8.8</b>	<b>5.8</b>	<b>5.1</b>	<b>2.86</b>
1.80V	118.8	75.6	64.4	41.0	30.3	27.8	17.6	12.4	8.4	5.6	5.0	2.75

### Watts (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	251.6	160.1	136.3	86.8	64.1	58.8	37.3	26.2	17.8	11.8	10.5	5.8
1.65V	247.0	157.2	133.8	85.2	62.9	57.7	36.6	25.7	17.5	11.5	10.3	5.7
1.70V	242.4	154.3	131.3	83.6	61.7	56.7	36.0	25.3	17.2	11.3	10.1	5.6
<b>1.75V</b>	<b>237.8</b>	<b>151.4</b>	<b>128.8</b>	<b>82.0</b>	<b>60.6</b>	<b>55.6</b>	<b>35.3</b>	<b>24.8</b>	<b>16.8</b>	<b>11.1</b>	<b>9.9</b>	<b>5.5</b>
1.80V	228.7	145.6	123.9	78.9	58.2	53.5	33.9	23.8	16.2	10.7	9.5	5.3



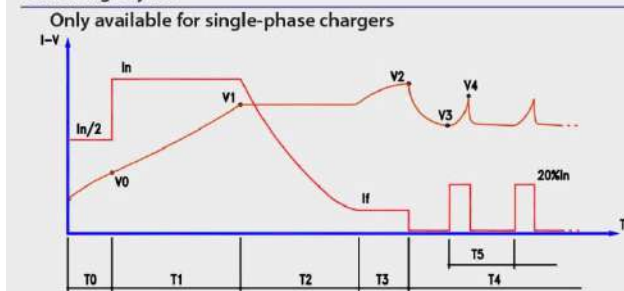
### Charge cycle for sealed batteries (GEL/AGM): IU + holding



- $I_n$  = 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