

## CODICE/CODE: **ZL120165**

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



Volt		12V
Capacity/capacità (20h)		65Ah
Capacity/capacità 25°C	10h	63Ah
	5h	53.3Ah
	1h	38.8Ah
Internal Resistance	Full Charged Battery 25°C	≤7m 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. 14Amp; "V1" 2.43V/cell
	IUIa	"In" max. 14Amp; "V1" 14.4Volt; "If" 0.5Amp.

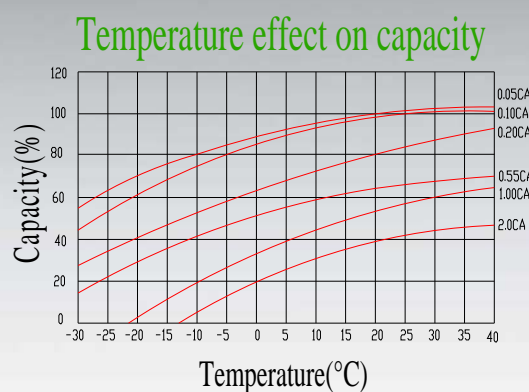
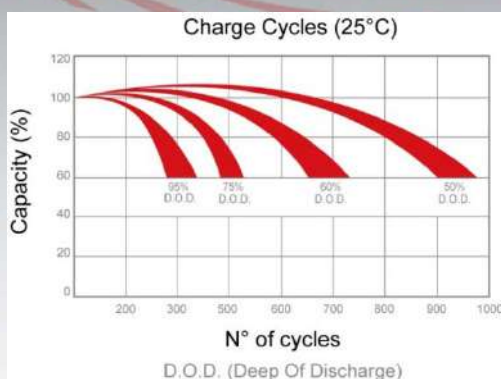
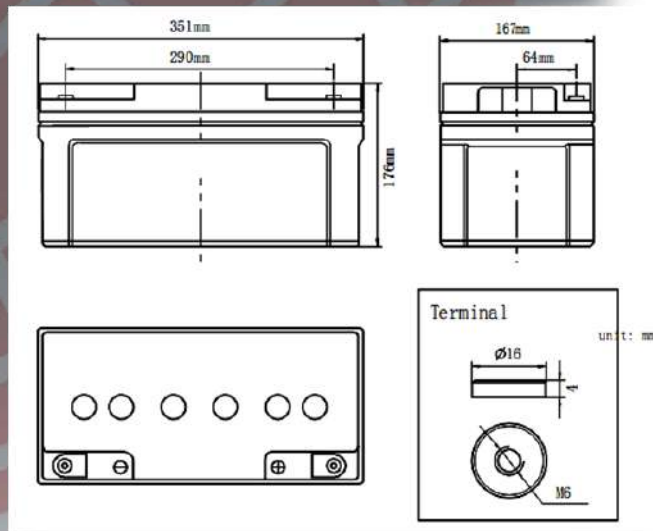
Battery Dimensions/ Dimensioni batteria	L/L	349.5mm
	W/P	166mm
	H/A	174mm
	Tot- H/A	174mm
Box Dimensions/ Dimensioni scatola	L/L	365mm
	W/P	181mm
	H/A	224mm
Weight/peso		23kg
Terminal/terminal		M6
Case/contenitore		ABS

### Amp. (25°C)

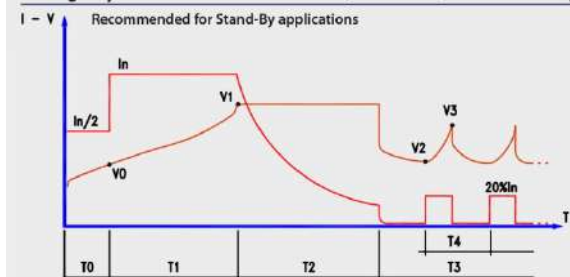
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	166.3	106.0	90.1	57.5	42.3	38.8	24.7	17.3	11.8	7.8	6.9	3.85
1.65V	163.3	104.1	88.5	56.5	41.5	38.1	24.2	17.0	11.6	7.6	6.8	3.78
1.70V	160.3	102.2	86.8	55.4	40.7	37.4	23.8	16.7	11.4	7.5	6.7	3.71
<b>1.75V</b>	<b>157.2</b>	<b>100.2</b>	<b>85.2</b>	<b>54.4</b>	<b>40.0</b>	<b>36.7</b>	<b>23.3</b>	<b>16.4</b>	<b>11.1</b>	<b>7.3</b>	<b>6.6</b>	<b>3.64</b>
1.80V	151.2	96.4	81.9	52.3	38.4	35.3	22.4	15.8	10.7	7.1	6.3	3.50

### Watts (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	320.2	204.1	173.4	110.7	81.4	74.7	47.5	33.4	22.7	14.9	13.3	7.4
1.65V	314.3	200.4	170.3	108.7	79.9	73.3	46.6	32.7	22.3	14.7	13.1	7.3
1.70V	308.5	196.7	167.1	106.7	78.4	72.0	45.8	32.1	21.9	14.4	12.9	7.1
<b>1.75V</b>	<b>302.7</b>	<b>193.0</b>	<b>164.0</b>	<b>104.7</b>	<b>76.9</b>	<b>70.6</b>	<b>44.9</b>	<b>31.5</b>	<b>21.4</b>	<b>14.1</b>	<b>12.6</b>	<b>7.0</b>
1.80V	291.1	185.6	157.7	100.7	74.0	67.9	43.2	30.3	20.6	13.6	12.1	6.7



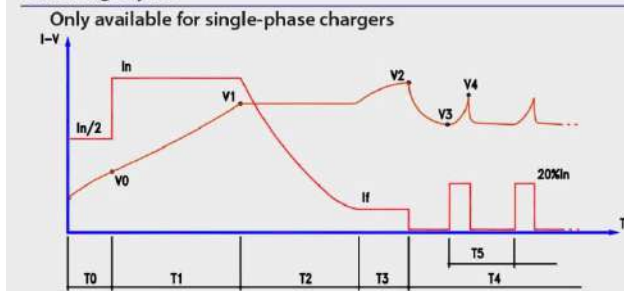
### Charge cycle for sealed batteries (GEL/AGM): IU + holding



- $I_n$  = 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