

# ENERGY SAFE

## Batterie ermetiche al piombo



**ACCU ITALIA vanta un'esperienza di oltre 50 anni nel settore delle batterie ermetiche.**

**Con Energy Safe vogliamo proporre una batteria affidabile e con prestazioni di ottimo livello per soddisfare anche le richieste più esigenti.**



**ACCU ITALIA® spa**

**ACCUMULATORI**

# BATTERIE AL PIOMBO ENERGY SAFE - TECNOLOGIA VRLA "AGM"

Codice	Tensione nominale (V)	Capacità nominale (20h/Ah)	Dimensioni (mm.)			Altezza c/terminali	Peso (Kg.)	Posizione dei terminali	Tipo di terminali
			L	P	H				
<b>Serie Standard</b>									
0040601	6	1,2	97,0	25,0	52,0	57,0	0,310	2	F1
0040602	6	3,2	66,0	33,0	97,0	104,0	0,569	1	F1
0840603	6	3,2	134,0	34,0	60,0	66,0	0,700	2	F1
0040604	6	4,5	70,0	47,0	101,0	105,0	0,850	1	F1
0040606	6	7,0	150,0	34,0	94,0	100,0	1,270	2	F1
0040610	6	10,0	151,0	50,0	93,5	99,5	1,790	2	F1
00406101	6	12,0	151,0	50,0	94,0	99,0	1,900	2	F1
00406103	6	12,0	151,0	50,0	94,0	99,0	1,900	2	F2
00406201	6	20,0	157,0	83,0	125,0	125,0	3,993	20	F3
0841200	12	0,8	96,0	25,0	62,0	62,0	0,350	-	cavi
0041201	12	1,3	97,0	48,5	50,0	56,0	0,590	4	F1
0041202	12	2,3	178,0	34,0	60,0	66,0	1,050	2	F1
08412022	12	2,9	78,0	55,0	98,0	104,0	1,176	6	F1
00412040	12	3,0	134,0	67,0	59,0	65,5	1,400	4	F1
00412051	12	5,0	90,0	70,0	101,0	108,0	1,690	3	F1
00412052	12	5,0	90,0	70,0	101,0	108,0	1,690	3	F2
<del>00412058</del>	<del>12</del>	<del>5,5</del>	<del>195,5</del>	<del>47,0</del>	<del>71,0</del>	<del>77,0</del>	<del>1,940</del>	<del>2</del>	<del>F1</del>
00412062	12	6,0	151,0	51,0	94,0	97,5	2,050	3	F2
00412080	12	7,0	151,0	65,0	94,0	102,0	2,100	5	F1
004120810	12	7,0	151,0	65,0	94,0	102,0	2,100	5	F2
00412093	12	9,0	151,0	65,0	94,0	102,0	2,700	5	F2
0041212	12	12,0	150,0	97,0	98,0	103,0	3,930	5	F1
00412121	12	12,0	150,0	97,0	98,0	103,0	3,930	5	F2
00412180	12	18,0	181,0	76,0	167,0	167,0	6,100	33	FM5
00412260	12	26,0	166,0	175,0	125,0	125,0	8,100	33	FM5
08412340	12	34,0	193,5	130,0	154,0	166,0	9,000	25	FM6
00412410	12	40,0	198,0	166,0	171,0	171,0	13,050	33	FM6
0841265	12	68,6	350,0	166,0	174,0	174,0	23,550	33	FM6
0841280	12	83,4	260,0	168,0	209,0	211,0	25,100	25	FM6
0041291	12	90,0	352,0	175,0	190,0	190,0	27,000	25	F19
08412100	12	104,0	306,0	168,0	209,0	211,0	27,900	25	FM6
08412200	12	204,0	520,0	240,0	220,0	225,0	53,000	4	FM8
<b>Serie Ciclica</b>									
004121212	12	12,0	151,0	99,0	95,0	100,0	4,270	5	F2
004121412	12	14,0	151,0	99,0	98,0	103,0	4,400	5	F2
00412152	12	18,0	181,0	76,0	167,0	167,0	6,283	33	FM5
08412182	12	26,4	181,0	77,0	170,0	170,0	6,850	33	FM5
00412242	12	26,0	166,0	175,0	125,0	125,0	9,528	33	FM5
08412272	12	33,4	168,0	178,0	124,0	117,0	8,900	33	FM5
08412282	12	31,4	166,0	125,0	175,0	175,0	9,000	33	FM5
08412342	12	35,0	197,0	131,0	156,0	180,0	11,107	20	FM6
00412402	12	45,0	198,0	166,0	171,0	171,0	14,109	25	FM6
00412502	12	50,0	198,0	166,0	171,0	171,0	14,237	25	FM6
08412552	12	59,6	229,0	138,0	213,0	213,0	17,300	25	FM6
08412802	12	91,2	260,0	168,0	211,0	211,0	26,000	25	FM6
08412102	12	108,0	305,0	168,0	211,0	212,0	29,700	33	FM6
<b>Serie Starter</b>									
00412151	12	18,0	181,0	76,0	167,0	167,0	6,283	33	F3
00412221	12	22,0	181,0	76,0	167,0	167,0	6,700	33	FM6

## TIPO DI TERMINALI

F1 = faston 4,8 mm.  
F2 = faston 6,3 mm.

F3 = polo a bandiera

FM5 = inserto femmina in M5

FM6 = inserto femmina in M6  
FM8 = inserto femmina in M8

# POSIZIONE DEI TERMINALI

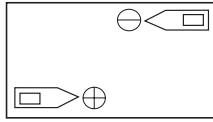


Fig. 1

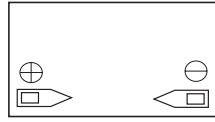


Fig. 2

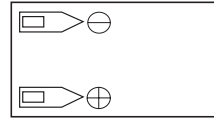


Fig. 4

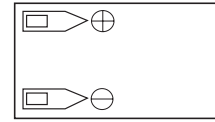


Fig. 5

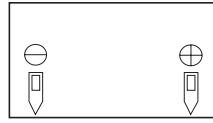


Fig. 8

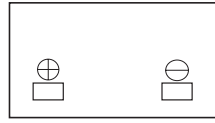


Fig. 20

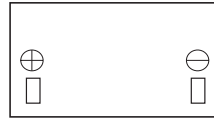


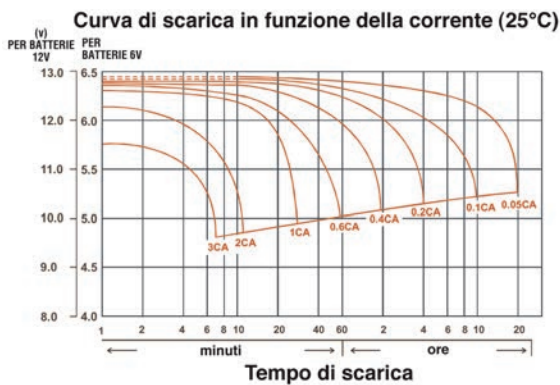
Fig. 25



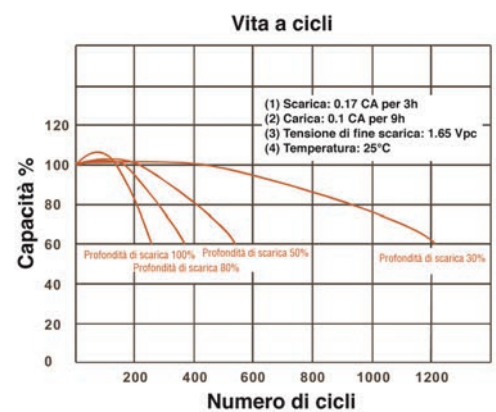
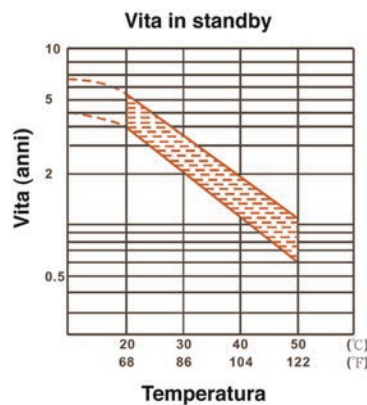
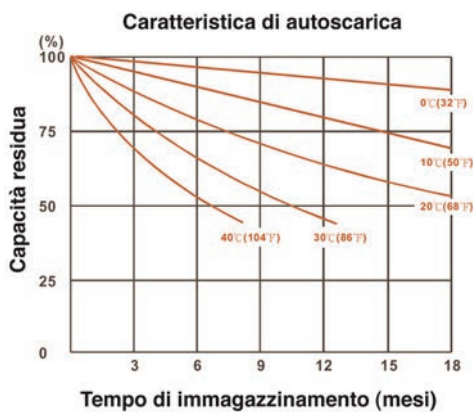
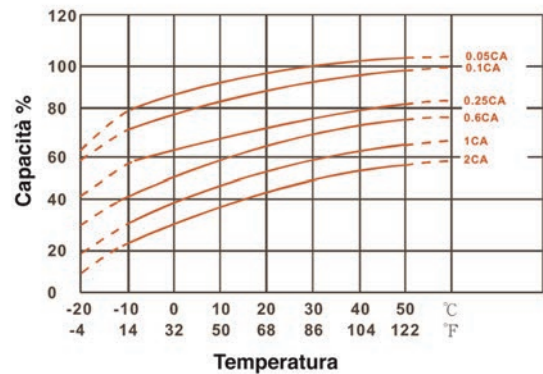
Fig. 33

# CARATTERISTICHE GENERALI SERIE STANDARD

Corrente di scarica e tensione di fine scarica	
Corrente di scarica (A)	Tensione di fine scarica (V/cel)
$(A) \leq 0.2C$	1.75
$0.2C \leq (A) 0.5C$	1.70
$0.5C \leq (A) 1.0C$	1.60
$(A) \geq 1.0C$	1.40



**Effetto della temperatura sulla capacità 20°C (68°F)**



## APPLICAZIONE D'USO

Metodo di carica  
 Regolazione tensione (v/cell) 20°C  
 Fattore di correzione della temperatura  
 Max corrente di carica (CA)  
 Tempo di carica 20°C con scarica 100%  
 Tempo di carica 20°C con scarica 50%  
 Temperatura °C

## STANDBY

tensione costante  
 2.25-2.30  
 -3.3mV/°C/cell  
 0.3  
 24 h  
 20 h

## CICLICO

tensione costante  
 2.40-2.50  
 -0.5mV/°C/cell  
 0.3  
 16 h  
 10 h

0 - 40



**ACCU ITALIA® spa**

ACCUMULATORI

## La più ampia, aggiornata e affidabile gamma di accumulatori:

➔ batterie ricaricabili ermetiche al piombo

➔ tecnologia GEL  
➔ tecnologia AGM

➔ batterie ricaricabili e Ni-MH in versione cilindrica, bottone e prismatica

➔ batterie ricaricabili al litio (Li-Ion) 3,7V  
(Li-pol) 3,7V  
(LiFePO<sub>4</sub>) 3,2V

➔ pile al litio (LiSOCl<sub>2</sub>) 3,6V

➔ pile al litio (Li-MnO<sub>2</sub>) 3V

➔ pile alcaline 1,5V

## e di accessori e servizi:

➔ installazione

➔ collaudo presso i nostri laboratori

➔ assemblaggio di "battery pack" in Italia su disegno del cliente

➔ assistenza tecnica per il dimensionamento della batteria

➔ caricatori, alimentatori, armadi e scaffali di supporto