

62902—2021

(IEC 62902:2019, Secondary cells and batteries — Marking symbols for identification of their chemistry, IDT)



2021

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27 2021 . 302-

4 62902:2019 « - »

(IEC 62902:2019 «Secondary ceils and batteries — Marking symbols for identification of their chemistry», IDT).

1.5—2012 (3.5).

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29 2015 . Nv 162- « 26 ».

) « (1 », , « »).

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(www.gost.ru)

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1	1
2	1
3	1
4	3
4.1	3
4.2	3
4.3	3
5	4
5.1	4
5.2	4
5.3	6
5.4	6
	8
6.1	8
6.2	9
6.3	9
()	10
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	12

Secondary cells and batteries. Requirements for marking by type of electrochemical system

— 2022—03—01

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900 3.

2

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IEC 60896-21:2004, Stationary lead-acid batteries — Part 21: Valve regulated types — Methods of test
(- . 21. .)

IEC 60896-22:2004. Stationary lead-add battenes — Part 22: Valve regulated types — Requirements
(- . 22. .)

ISO 7000. Graphical symbols for use on equipment (<http://www.graphical-symbols.info/equipment>)

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:
- : <http://www.electropedia.org/>;
- : [httpJ/www.iso.org/obp](http://www.iso.org/obp).

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- 3.1 ; (battery):
- [60050-482:2004, 482-01-04)
- 3.2 (battery volume):
- 3.3 (battery module):
- (/)
- [62620:2014. 3.8, — «
- ». — « »)
- 3.4 (cell):
- [60050-482:2004, 482-01-01, —)
- 3.5 (lead acid battery):
- [60050-482:2004, 482-05-01, —]
- « - » « - », »)
- 3.6 (secondary lithium battery):
- /
- [60050-482:2004. 482-01-03, —
- » « », «
- » « »)
- 3.7 (lithium ion battery):
- [60050-482:2004, 482-05-07]
- 3.8 (lithium metal battery):
- 3.9 (monobloc battery):
- [60050-482:2004. 482-02-17, —
- « » « »,]
- 3.10 (nickel cadmium battery):
- [60050-482:2004. 482-05-02, — «
- »,]
- 3.11 (nickel metal hydride battery):
- [60050-482:2004. 482-05-08)

3.12 (secondary cell):

[60050-482:2004. 482-01-03.]

3.13 (marking):

3.14 (symbol):

3.15 (label):

3.16 battery; VRLA): ; VRLA (valve regulated lead acid

[60050-482:2004. VRLA 482-05-15. 2]

4

4.1

5.

8

4.2

- a) ();
- b) (Ni-Cd);
- c) (NLMH);
- d) (Li-ion);
- e) (Li-).

- h) Na-NiCl;
- i)

4.3

- a) ;
- b) ;
- c)

5.

5.2.2

-

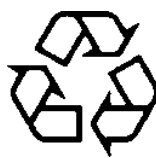


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5.2.3

-



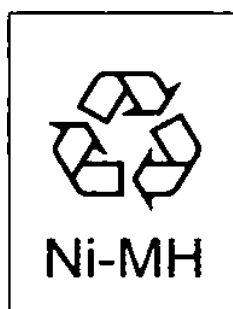
Ni-Cd

7—

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5.2.4

-



8—

-

5.2.5

-



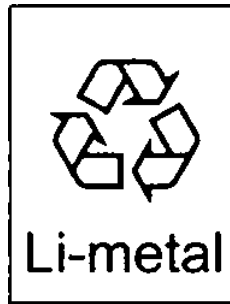
Li-ion

9—

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5.2.6



10—

5.3

- a) —
- b) Ni-Cd —
- c) Ni-MH —
- d) Li-ion —
- e) Li- —

5.4

5.4.1

(. 4.3).

5.4.2

1.

1—

		13
<i>R</i>		11—13
<i>h</i>		11
		12
<i>b</i>		14
<i>i</i>		14
<i>S</i>		5.4.3 5.4.4
		5.4.6

5.4.3

5.1 (

):

— 2 %

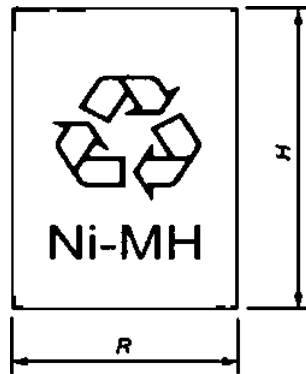
h. 11. — 1 %
R -

Ni-MH

11 —
h 1/3 R. 1.9 ².
• R — 24 ;
- — 8 ;
- (S = /?/??) — 1,9 ².
• , R 60 S 12 ²,
12 ².

5.4.4

5.2 ():
- — 3 %
- — 1.5 %
R .
12.

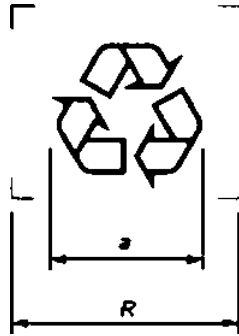


12 —
R. 3 ².
• R — 15 ;
- (4 \ --R\ 20 ;
- \ 8 / (S = R H) — 3 ².

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R 36 17 2. S 17 2,

5.4.5 7000-1135:2004-01 13. $2/3$ R.



13—

5.4.6 b — R : $b - Rk$, 0.2 0.3 (14).

l 14—

0.2

Arial Helvetica.

6

6.1

2.

2 —

	-	Ni-Cd	Ni-MH, Ni-Cd	,	
	X	X	X	X	6.2.2
	X	X			6.2.3
	X	X	X		6.2.2
	X				6.2.4

*
*

6.2

6.2.1

—

60896-21:2004,

6.6

60896*22:2004.

6.6.

6.2.2

15

15

6.2.3

15

6.2.4

15

(Na₂CO₃)

(NaHCO₃)

6.3

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()

.1

.2

5.3,

.1.

.1 —

	Pantone		RAL	
-	367	389	6018	
	151	1375	2002	2005
	312		5005	5015
	421		7004	
-	14-0000		7001	
	11-0601	11-4262	9001	9003

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IEC 60896-21:2004		60896-21—2013 « 21. »
(60896-22:2004		60896-22—2015 « 22. »
ISO 7000	—	
<p>* — : - IDT —</p>		

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- IEC 60050-482:2004 International Electrotechnical Vocabulary — Part 482: Primary and secondary cells and batteries () 482.
- IEC 60095 (all parts) Lead-acid starter batteries (-)
- IEC 60622 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Sealed nickel-cadmium prismatic rechargeable single cells (, -)
- IEC 61056 (all parts) General purpose lead-acid batteries (valve-regulated types) [- { - }]
- IEC 61951-1 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary sealed cells and batteries for portable applications — Part 1: Nickel-Cadmium (, 1. -)
- IEC 61951-2 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary sealed cells and batteries for portable applications — Part 2: Nickel-metal hydride (, 2. -)
- IEC 61960-3 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary lithium cells and batteries for portable applications — Part 3: Prismatic and cylindrical lithium secondary cells and batteries made from them (, 3. -)
- IEC 62620:2014 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary lithium cells and batteries for use in industrial applications (,)
- IEC 62675 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Sealed nickel-metal hydride prismatic rechargeable single cells (,)

621.355:006.354	29.220.20 29.220.30	2 27.20.22 27.20.23 27.20.24
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26.04.2021 13.05.2021 60*84%
1.88. - 1.58.

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