



## Battery box Exide A512/40 12V – 40Ah

### Protection mode:

Type of protection: II 2G Ex e IIC T6 Gb  
 Class of temperature: T6  
 Ambient Temp : -20/+50°C  
 Zones : 1-2

### Description:

ATEX battery box 40Ah C20 12V ( 1x Exide A512/40 cell). Battery box in SS316L with bolted on lid (no hinges),  
 Approx dim 300x250x200mm.  
 Tamb -20°C + 50°C IP43  
 Cable gland to be defined.



(cable above unsupplied)



### Specifications:

Exide type designation	Part number	Nom. Voltage V	Nominal capacity C <sub>20</sub> 1.75 VpC 20°C Ah	Nominal Length mm	Width b/w mm	Height h1 mm	Height top of cover h1 max. mm	Height over terminals h2 mm	Weight approx. kg	Internal resistance acc. IEC896-2 mOhm	Short circuit acc. IEC896-2 A	Max. Load approx. A	Max. perm current secs. A	Terminal G-M6	VDS-approved
A512/40 G6*	NGA5120040HS0BA	12	40	210	175	175	175	175	14.6	11.6	1069	400	1500	G-M6	*VdS-approved,

Part numbers not valid for North America, use type for ordering!

### Constant-current discharge in A (at 20 °C):

Part number	Exide type designation	VpC	5min	10min	15min	20min	30min	1h	2h	3h	5h	8h	10h
NGA5120040HS0BA	A512/40G6	1.85	75.0	63.0	50.0	42.0	34.0	22.0	12.0	8.8	6.4	4.3	3.5
NGA5120040HS0BA	A512/40G6	1.80	86.0	69.0	57.0	47.0	36.0	23.0	13.0	9.2	6.7	4.4	3.6
NGA5120040HS0BA	A512/40G6	1.75	103.0	74.0	61.0	50.0	37.0	24.0	13.0	9.4	6.8	4.5	3.7
NGA5120040HS0BA	A512/40G6	1.70	115.0	79.0	64.0	52.0	38.0	24.0	13.0	9.5	6.8	4.5	3.7
NGA5120040HS0BA	A512/40G6	1.65	121.0	82.0	66.0	53.0	39.0	24.0	13.0	9.5	6.8	4.5	3.7
NGA5120040HS0BA	A512/40G6	1.60	127.0	85.0	67.0	54.0	39.0	24.0	13.0	9.5	6.8	4.5	3.7

### Constant-power discharge in W/block (at 20 °C):

Part number	Exide type designation	VpC	3min	5min	10min	15min	20min	30min	45min	1h	1.5h
NGA5120040HS0BA	A512/40G6	1.85	958.0	848.0	703.0	578.0	490.0	395.0	300.0	243.0	178.0
NGA5120040HS0BA	A512/40G6	1.80	1092	1006	758.0	646.0	538.0	415.0	318.0	255.0	186.0
NGA5120040HS0BA	A512/40G6	1.75	1226	1074	822.0	691.0	569.0	432.0	326.0	261.0	189.0
NGA5120040HS0BA	A512/40G6	1.70	1390	1156	870.0	719.0	587.0	441.0	331.0	264.0	191.0
NGA5120040HS0BA	A512/40G6	1.65	1514	1234	902.0	729.0	597.0	446.0	333.0	265.0	192.0
NGA5120040HS0BA	A512/40G6	1.60	1576	1298	923.0	735.0	603.0	449.0	334.0	266.0	192.0



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Drawing :

