



Sealed maintenance-free lead-acid batteries series DTM L ASTERION brand are manufactured by AGM technology (electrolyte absorbed in glass fiber separators) and equipped with VRLA valves. Series DTM L refers to a Long-Life series with a servicelife up to 12 years. Due to a wide range of batteries and their high performance, are recommended for use in a variety of uninterruptible power supply systems, including exacting electrical appliances (submersible and circulation pumps, boilers of heating systems), emergency power supply and other electrical devices.

Battery construction

Element	Positive plate	Negative plate	Case Lid	Valve	Terminal	Separator	Electrolyte
Material	Lead dioxide	Lead	ABS	Rubber	Copper	Fiberglass	Acid

Performance & characteristics:

- AGM technology allows to recombine 99% of the generated gas;
- No restrictions on air transportation;
- Compliance with the UL requirements;
- Lead plates, alloyed by calcium, provide high energy density;
- Maintenance-free. Do not require distillate topping;
- Long service life;
- The battery case is made of flame-retardant ABS plastic.

Application:

- Uninterruptable power supply
- Back up power supply
- Medical devices
- Wheelchair
- Space-heating system
- Renewable energy systems

Specifications

Nominal voltage, V	12
Nominal capacity, Ah	100
Design life, years	10-12
Technology	AGM
Length, mm	330
Width, mm	171
Height,mm	215
Height without terminals, mm	215
Weight, kg	29 (±3%)
Height max,mm	220

Operating temperature range

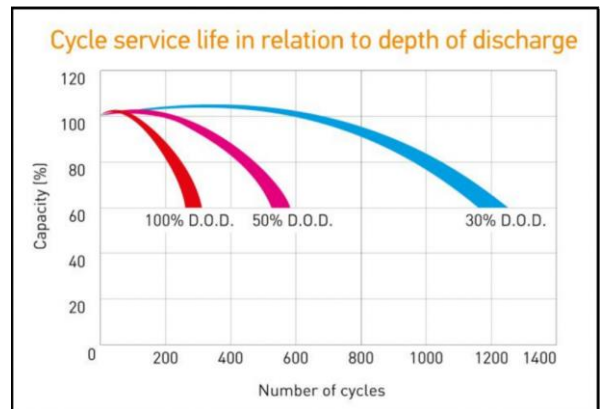
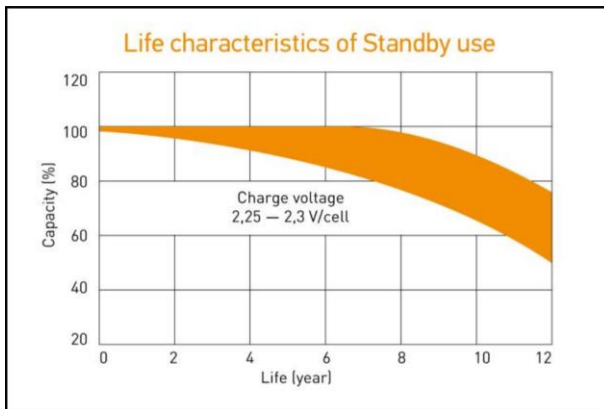
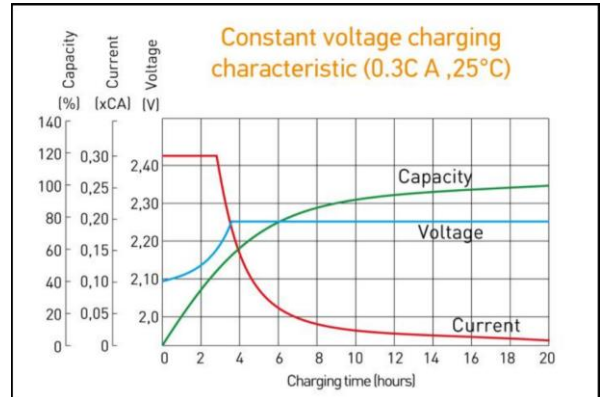
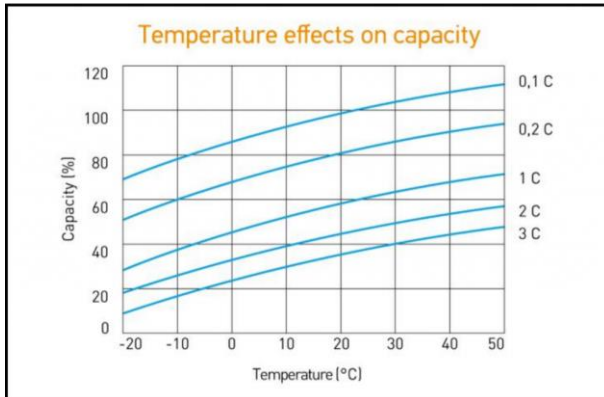
Discharge	-20÷60
Charge	-10÷60
Storage	-20÷60
Cycle mode (2,35±2,4 V/cell):	
Maximum discharge current	900 A
Temperature correction factor	30 mV/°C
Standby mode (2,25±2,3 V/cell):	
Temperature correction factor	20 mV/°C

Discharge Constant Current, A (25°C)

V/cell	5 min	10 min	15 min	30 min	45 min	1 h	3 h	5 h	10 h
1.60V	296	212	173	102	75,9	63,1	26,8	18,3	10,8
1.65V	281	205	166	98,1	74,3	59,5	26,6	17,6	10,6
1.70V	251	185	153	90,6	68,9	58,9	26,2	17,3	10,5
1.75V	234	173	143	87,7	67,3	57,6	25,9	16,8	10,3
1.80V	217	162	134	85,9	66,0	54,7	24,3	16,5	10,0

Discharge Constant Power, W/cell (25°C)

V/cell	5 min	10 min	15 min	30 min	45 min	1 h	3 h	5 h	10 h
1.60V	542	384	326	193	143	116	49,7	35,2	20,5
1.65V	515	381	312	186	140	110	49,6	34,1	20,3
1.70V	477	354	297	173	131	109	48,9	33,7	20,2
1.75V	452	341	285	169	128	108	48,8	33,0	20,1
1.80V	439	329	274	166	127	103	45,9	32,5	19,2



ТОО «МЕТЕОР ИТ»

Республика Казахстан, 050059, г. Алматы, пр. Райымбека 115/23А

www.meteorit.kz

E-mail: order@meteorit.kz

Алматы:

Тел.: +7 (727) 33-92-600

Моб/WhatsApp: +7 776 272 4000

Бишкек: +996 312 963046 / Ташкент: +998 712 050830