



Sealed maintenance-free lead-acid batteries series DTS ASTERION brand are manufactured by AGM technology (electrolyte absorbed in glass fiber separators) and equipped with VRLA valves. 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.

Application:

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

Specifications

Nominal voltage, V	12
Nominal capacity, Ah	200
Design life, years	10
Technology	AGM
Length, mm	522
Width, mm	239
Height,mm	217
Height without terminals, mm	217
Weight, kg	58
Height max,mm	222

Operating temperature range

Discharge	-10÷40
Charge	-20÷60
Storage	-20÷60
Cycle mode (2,35±2,4 V/cell):	
Maximum discharge current	1000 A
Temperature correction factor	5 mV/°C
Standby mode (2,25±2,3 V/cell):	
Temperature correction factor	3,3 mV/°C

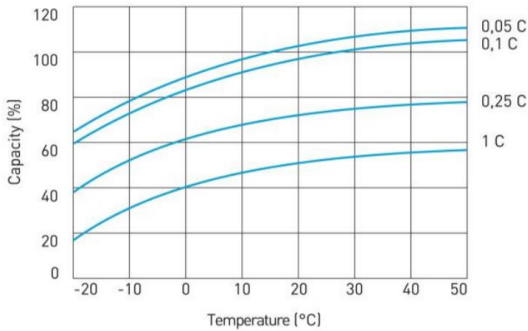
Discharge Constant Current, A (25°C)

V/cell	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1.60V	520	388	320	203	117	52,0	34,8	19,8	10,6
1.65V	505	369	314	196	116	51,8	34,6	19,6	10,4
1.70V	495	356	309	190	115	51,4	34,4	19,4	10,2
1.75V	454	329	294	184	114	51,2	33,9	19,2	10,0
1.80V	419	300	276	177	110	49,8	33,3	19,0	9,81

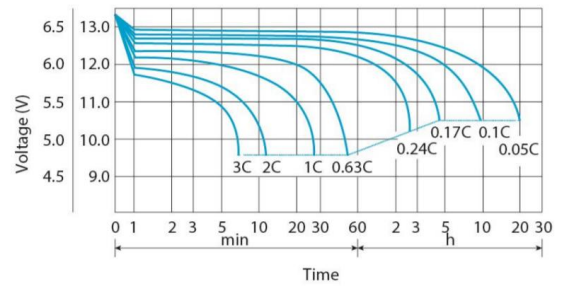
Discharge Constant Power, W/cell (25°C)

V/cell	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1.60V	896	689	587	375	225	103	69,1	35,6	17,8
1.65V	878	688	577	368	224	102	69,0	35,1	17,5
1.70V	842	650	571	357	219	101	68,7	34,6	17,3
1.75V	816	605	545	348	213	99,9	67,9	33,9	17,1
1.80V	760	558	490	335	208	97,5	66,7	33,5	16,9

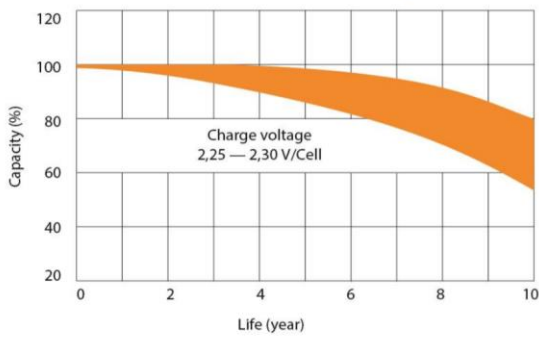
Temperature effects on capacity



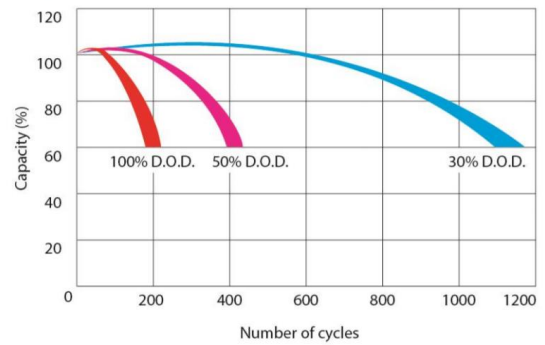
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



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