

PRODUCT DATASHEET



<https://www.mega-piles.com/>

Product	AGFAPHOTO Heavy Duty Battery	
Type/Size	Micro AAA R03	

Specifications

Chemical system	zinc-chloride/zinc-manganese dioxide (free of mercury)		
Dimensions	Diameter:	9.5 - 10.5 mm	
	Height:	43.3 - 44.5 mm	
Weight (approx.)	7.7 - 9.0 g		
Packaging	-		
Nominal voltage	1.5 V		
Capacity	160 mAh (3.9 Ω , 24 h/d, 20 $^{\circ}$ C, 0.9 V)		

Electrical characteristics ((3.9 Ω , 24 h/d, 20 +/-2 $^{\circ}$ C, RH 45-75 %)

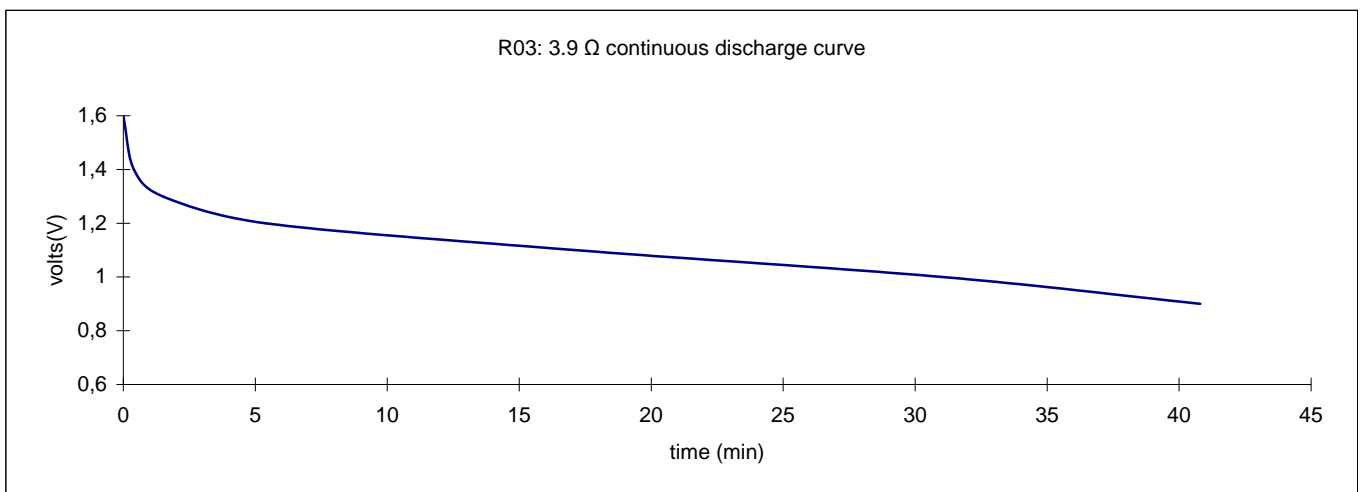
	OCV (V)	CCV (V)	short-circuit current (A)
Initial	1.62 - 1.725	≥ 1.40	2.5
After 12 months	≥ 1.58	≥ 1.36	2.0

OCV = open circuit voltage
CCV = closed circuit voltage

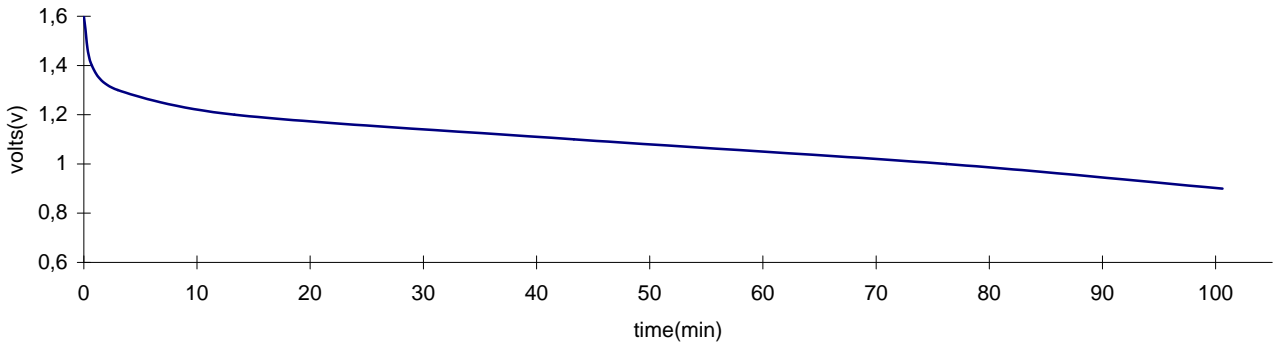
Discharge capacity (20 +/-2 $^{\circ}$ C, RH 45-75 %)

Load resistance	3.9 Ω	5.1 Ω	3.6 Ω	10 Ω	75 Ω
Discharge mode	24 h/d continuous	4 min/h, 8 h/d intermittent	15 s/min, 24 h/d pulse	1 h/d intermittent	4 h/d intermittent
End voltage	0.9 V	0.9 V	0.9 V	0.9 V	0.9 V
Initial	≥ 40 min.	≥ 80 min.	≥ 180 times	≥ 170 min.	≥ 26 hrs.
After 12 months of storage	≥ 34 min.	≥ 68 min.	≥ 153 times	≥ 144 min.	≥ 22 hrs.

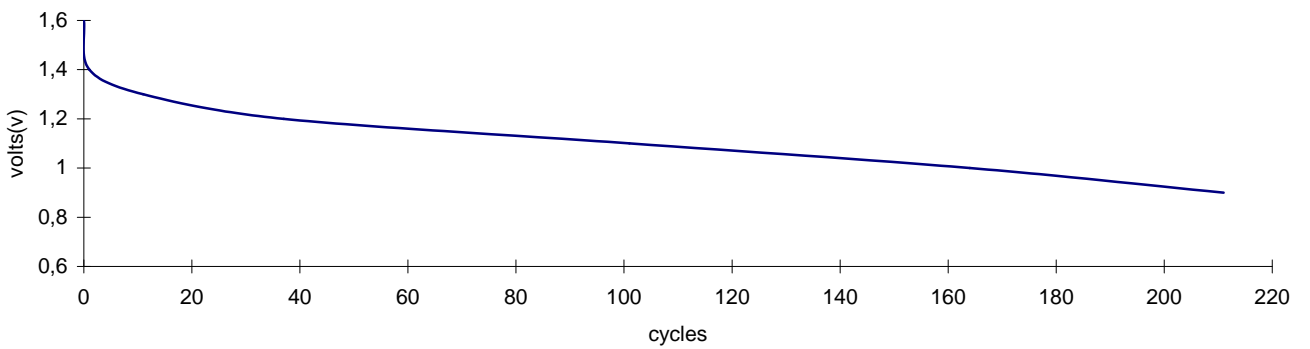
Discharge curves



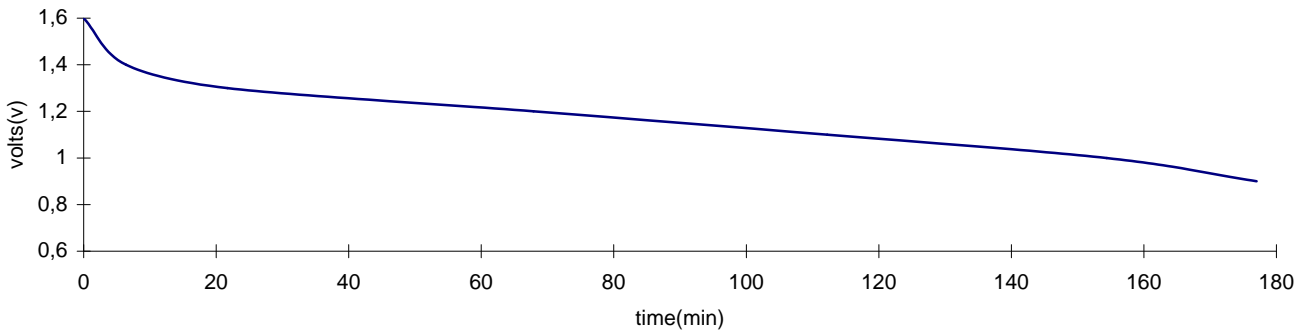
R03: 5.1 Ω (4m/h,8h/d) intermittent discharge curve



R03: 3.6 Ω (15s/m,24h/d) intermittent discharge curve



R03: 10 Ω (1h/d) intermittent discharge curve



R03: 75 Ω (4h/d) intermittent discharge curve

