

# PRODUCT DATASHEET



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

<b>Product</b>	<b>AGFAPHOTO Heavy Duty Battery</b>	
<b>Type/Size</b>	<b>Mono D R20</b>	

## Specifications

Chemical system	zinc-chloride/zinc-manganese dioxide (free of mercury)		
Dimensions	Diameter:	32.3 - 34.2 mm	
	Height:	59.5 - 61.5 mm	
Weight (approx.)	88.0 - 92.0 g		
Packaging	-		
Nominal voltage	1.5 V		
Capacity	3.6 Ah (3.9 $\Omega$ , 24 h/d, 20 °C, 0.9 V)		

## Electrical characteristics ((3.9 $\Omega$ , 24 h/d, 20 +/-2 °C, RH 45-75 %)

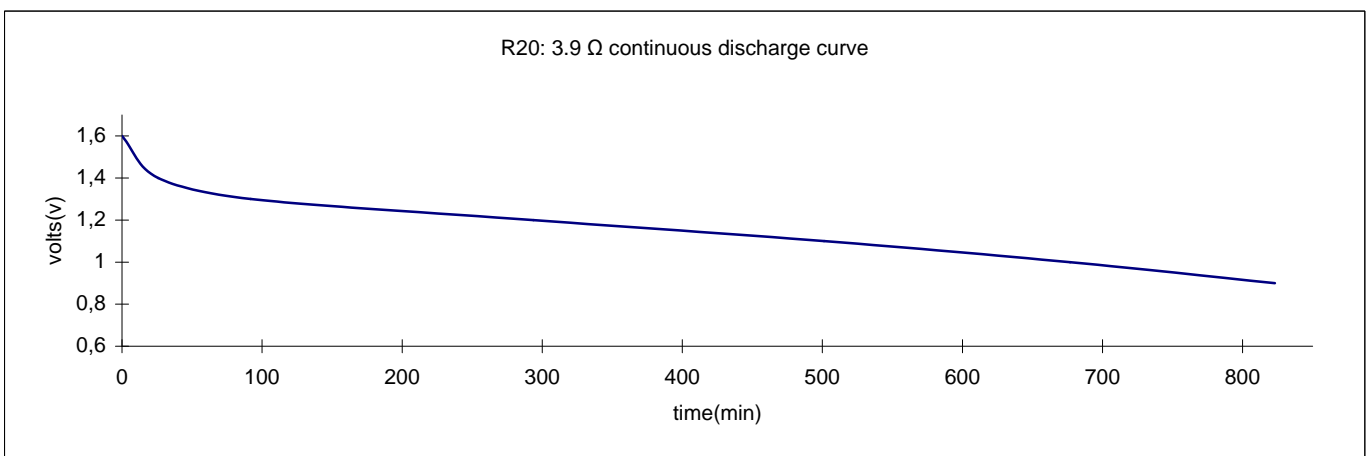
	OCV (V)	CCV (V)	short-circuit current (A)
Initial	1.62 - 1.725	$\geq 1.50$	$\geq 7.0$
After 12 months	$\geq 1.58$	$\geq 1.46$	$\geq 5.0$

OCV = open circuit voltage  
CCV = closed circuit voltage

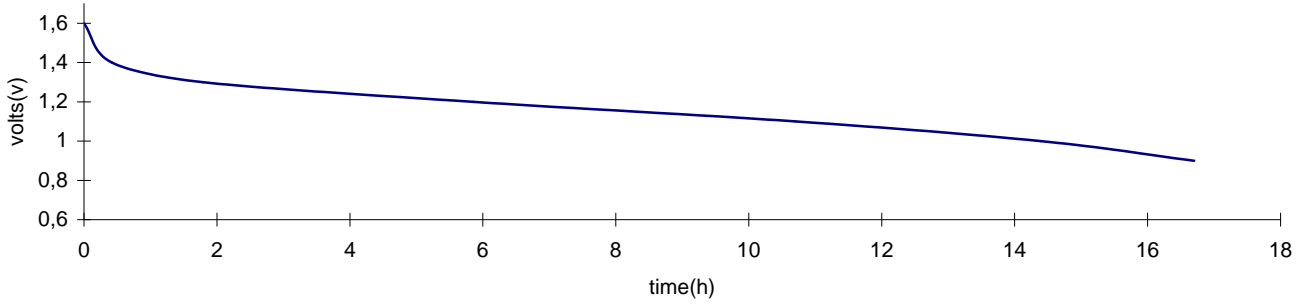
## Discharge capacity (20 +/-2 °C, RH 45-75 %)

Load resistance	3.9 $\Omega$	3.9 $\Omega$	2.2 $\Omega$	10 $\Omega$	2.2 $\Omega$
Discharge mode	24 h/d continuous	1 h/d intermittent	4 min/h, 8 h/d intermittent	4 h/d intermittent	1 h/d intermittent
End voltage	0.9 V	0.9 V	0.9 V	0.9 V	0.8 V
Initial	$\geq 750$ min.	$\geq 14.0$ hrs.	$\geq 320$ min.	$\geq 40.0$ hrs.	$\geq 8.0$ hrs.
After 12 months of storage	$\geq 637$ min.	$\geq 11.9$ hrs.	$\geq 272$ min.	$\geq 34.0$ hrs.	$\geq 6.8$ hrs.

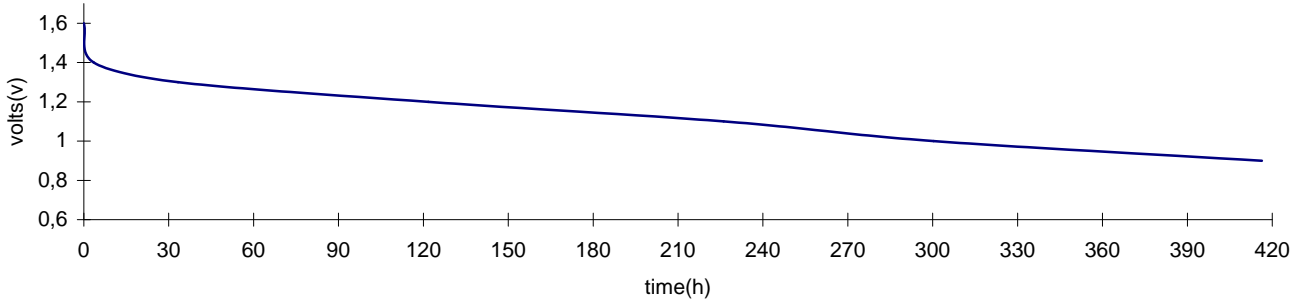
## Discharge curves



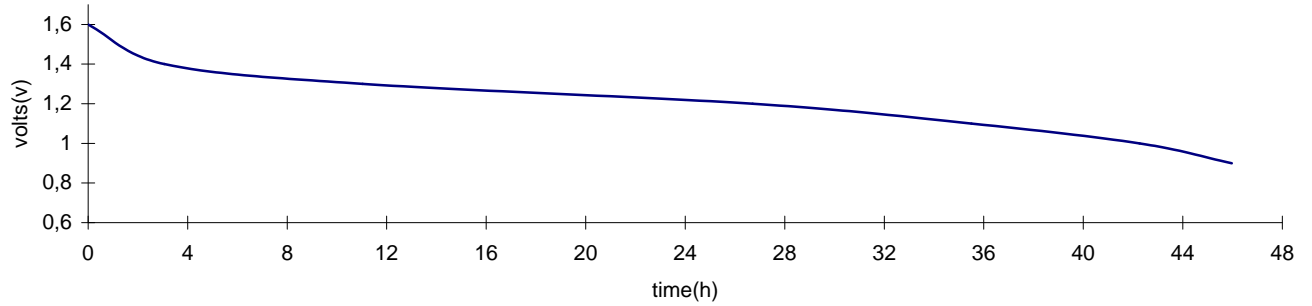
R20: 3.9 Ω (1h/d) intermittent discharge curve



R20: 2.2 Ω (4m/h,8h/d) intermittent discharge curve



R20: 10 Ω (4h/d) intermittent discharge curve



R20: 2.2 Ω (1h/d) intermittent discharge curve

