

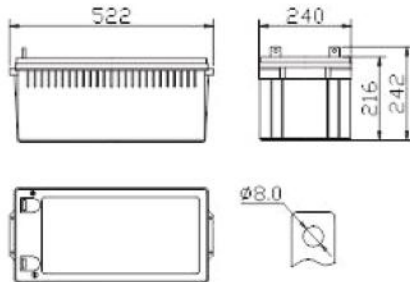


Azimuth Solar Products Inc.

Lead Carbon 12V 200Ah Battery ASP-LC12200

The TRC12-200 lead carbon battery is excellent charging acceptance with high charging efficiency, excellent PSoC cycle performance under high and low ambient temperature with floating service life above 15 years at 20°C/68°F.

Outer Dimensions



Dimensions and Weight

Length (mm)	522
Width (mm)	240
Height (mm)	216
Total Height (mm)	242
Approx.Weight(Kg)	60

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	15 years
Nominal Capacity 77°F(25°C)	
10 hour rate(25A,10.5V)	200Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	2.5mΩ
Self-Discharge	
<3% of capacity declined per month at 20°C(average)	

Operation Temperature Range

Discharge	-40~60°C
Charge	-20~50°C
Storage	-20~60°C
Best operation temperature	15~25°C
Max.charge Current 77°F(25°C)	60A

Discharge Constant Power (Watts/cell at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1112.5	715.3	595.9	397.2	285.0	254.1	157.5	105.9	72.0	47.4	42.4	23.3
1.65V	1092.3	702.3	585.0	390.0	279.8	249.5	154.7	104.0	70.7	46.6	41.6	22.9
1.70V	1072.1	689.3	574.2	382.8	274.7	244.9	151.8	102.0	69.4	45.7	40.8	22.4
1.75V	1051.9	676.3	563.4	375.6	269.51	240.2	148.9	100.1	68.1	44.8	40.0	22.0
1.80V	1011.4	650.3	541.7	361.1	259.1	231.0	143.2	96.3	65.5	43.1	38.5	21.2

Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	577.9	371.6	309.5	206.4	148.1	132.0	81.4	55.0	37.4	24.6	22.0	12.1
1.67V	567.4	364.8	303.9	202.6	145.4	129.6	80.4	54.0	36.7	24.2	21.6	11.9
1.70V	556.9	358.1	298.3	198.9	142.7	127.2	78.9	53.0	36.0	23.7	21.2	11.7
1.75V	546.49	351.3	292.7	195.1	140.0	124.8	77.4	52.0	35.4	23.3	20.8	11.4
1.80V	525.4	337.8	281.4	187.6	134.6	120.0	74.4	50.0	34.0	22.4	20.0	11.0



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Performance Curves

