DEEP CYCLE SERIES

SN023000DC (2V 3000AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	3000AH	
Dimension	Length	712±2mm(28.03inch)
	Width	353±2mm(13.89inch)
	Height	341±2mm(13.43inch)
	Total Height	382±2mm(15.03inch)
Approx Weight	Approx. 185kg(411.1lbs)	
Terminal Type	T11	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 0.2m Ω	
Rated Capacity	3156AH/157.9A	(20hr, 1.80V/cell,25 ℃/77 °F)
	3000AH/300A	(10hr, 1.80V/cell,25 ℃/77 °F)
	2610AH/522A	(5hr, 1.75V/cell,25 ℃/77 °F)
	2310AH/770A	(3hr, 1.75V/cell,25 ℃/77 °F)
	1860AH/1860A	(1hr, 1.60V/cell,25 ℃/77 °F)
Max. Discharge Current	24000A(5S)	
Nominal Operating Temp. Range	25±3 ℃ (77±5 °F)	
Cycle Use	Charge Current Less Than 0.25CA	
	2.35V~2.45V@25 ℃(77 °F)Temp. Coefficient -5mV/ ℃	
Floating Use	No limit on Initial Charging Current Voltage	
	2.25V~2.3V@25 ℃(77 °F)Temp. Coefficient -3mV/ ℃	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%

Constant Power Discharge at 25℃(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6399.7	5696.6	5058.3	4523.3	3822.5	3131	2564.7	1853.9	1398.8	1095.5	921.5	835	670.7	573.9	301.7
1.80V/cell	\	6588.1	5686.8	4995.7	4135.8	3341.1	2717.4	1956.1	1459.5	1139.6	954.2	863.6	694.5	592.8	311.5
1.75V/cell	\	\	6354.7	5482.9	4461.6	3581.9	2910.7	2059.9	1527.8	1191.4	997.6	902.8	724.1	614.9	321.5
1.70V/cell	\	\	\	5984.3	4821.1	3811.9	3071.5	2165.6	1595	1240.5	1036.2	936.9	750.9	636.6	331.9
1.65V/cell	\	\	\	6278	5010.2	3926.5	3168.6	2218.1	1629.6	1269	1060.9	957	763.7	647.3	337.8
1.60V/cell	\	\	\	\	5441.9	4224.5	3384	2356	1714.2	1328.5	1106.5	995.5	795.1	677	351.8

Constant Current Discharge at 25℃(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3500.2	3083.9	2710.8	2399.6	2005.5	1628.9	1329.6	891	681	549	470	413.5	335.3	286.5	152
1.80V/cell	\	3608.9	3089.2	2689.7	2203.6	1751.8	1416.4	937.5	738	567.8	489	431	351.4	300	157.5
1.75V/cell	\	\	3494.9	2980.7	2397	1896.2	1524.1	994.5	750	599.3	513	451.5	360.4	306	159.5
1.70V/cell	\	\	\	3277.8	2604.6	2025.5	1613.4	1050	783	624	533.7	467.5	372	313.5	162.9
1.65V/cell	\	\	\	3464.7	2729.2	2105.3	1676.5	1084.5	808	642.8	548.3	476	378.8	318.6	165.6
1.60V/cell	\	\	\	\	2985.1	2277.4	1800	1138.5	842	669.8	573.9	497	393	328.8	170.7