



# NPDC64200DT

## AGM DEEP CYCLE Battery

Classic Range

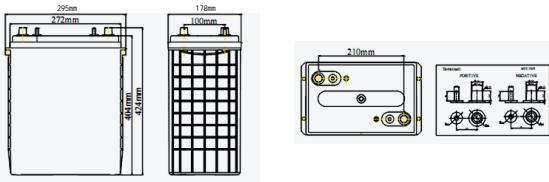


### General Features

- › Solar Systems
- › High Reliability and Good Quality
- › Deep Discharge Recovery
- › High Power Density
- › Long Service Life, in Float or Cyclic
- › This series is highly suited for very unreliable power applications requiring the batteries to provide extra cyclic life performance such as PV system applications, small RE systems and electric vehicles



Dimension: 295(L)×178(W)×404(H)×424(TH) Unit: mm



### Applications

- › Solar Systems
- › Wheel chair, Golf Cart
- › Telecom systems
- › Cable TV Systems
- › Emergency
- › Power System

### Specification

Nominal Voltage	6V	
Nominal Capacity	420Ah	
Design life	15 years	
Terminal	DT	
Approx. Weight	Approx 59kg (130lbs)	
Container Material	ABS	
Rated Capacity	420Ah	20Hour Rate (21.0A to 5.40V)
	380Ah	10Hour Rate (38.0A to 5.40V)
	330Ah	5Hour Rate (66.0A to 5.40V)
	225Ah	1Hour Rate (225A to 5.25V)
Internal resistance	Full charged at 25°C:	1.90 mΩ
Max. Discharge Current	4200A(5S)	
Operating Temperature	Discharge:	-20 ~50°C (-4~ 122°F)
	Charge:	-20 ~50°C (-4~ 122°F)
	Storage:	-20 ~50°C (-4~ 122°F)
Charge current:	Max. 105.0A ; Recom.42.0A	
Charge Method (25 °C)	Standby Use:	Initial Charging Current Less than 84A Voltage 6.8-6.9V
	Cycle Use :	Initial Charging Current Less than 84A Voltage 7.2-7.45V
Self discharge	3% of capacity declined per month at 25°C	

### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

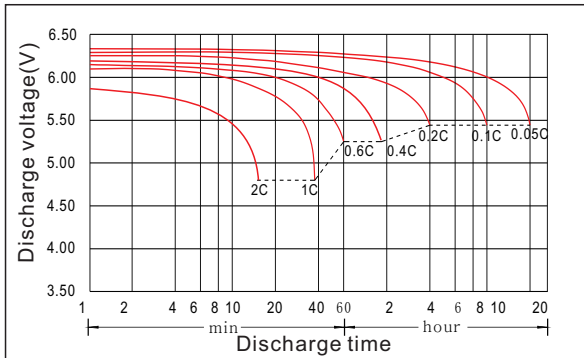
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	551	351	259	238	151	106	72	48	42	23	5.04
1.65V	541	345	254	234	148	104	71	47	41	22	4.94
1.70V	531	338	250	229	145	102	69	46	40	22	4.85
1.75V	521	332	245	225	143	100	68	45	39	21	4.75
1.80V	501	319	236	216	137	96	66	43	38	21	4.66

### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

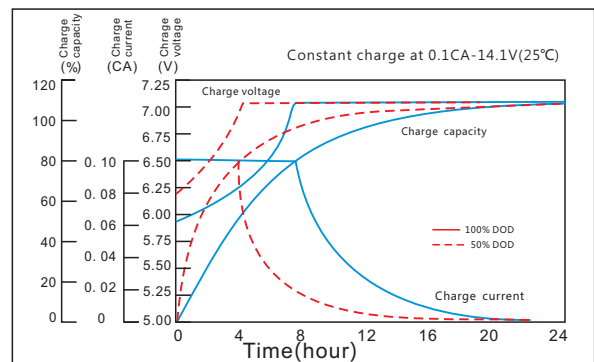
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	1061	676	499	458	291	204	139	92	80	44	9.70
1.65V	1042	664	490	450	286	200	136	90	79	43	9.51
1.70V	1023	651	481	441	280	197	134	88	77	42	9.32
1.75V	1004	639	472	433	275	193	131	87	76	41	9.16
1.80V	965	614	454	416	264	185	126	83	73	41	8.97

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

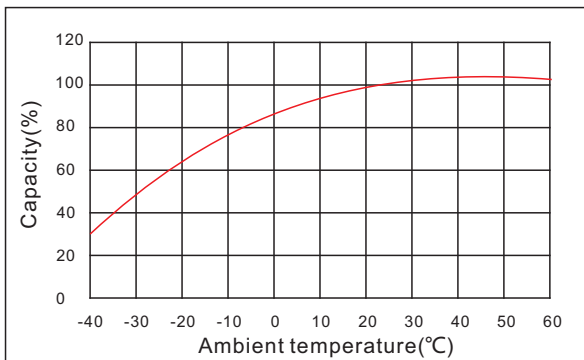
Discharge characteristic



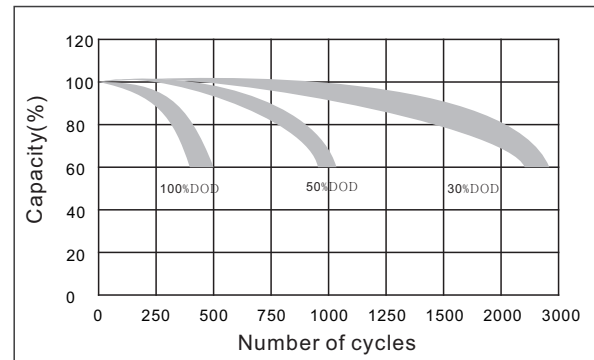
Charging characteristic



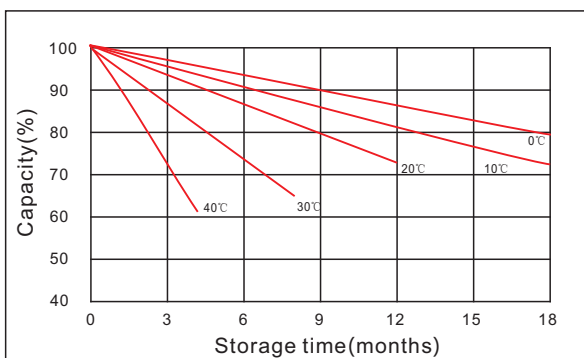
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

