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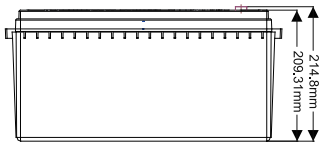
WHC120-24V (24V120Ah)

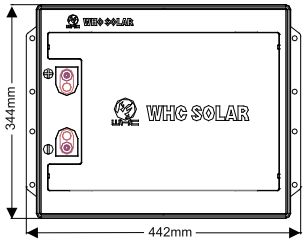
Specifications »

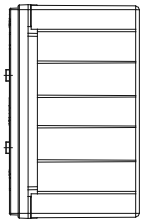
Nominal Voltage		24 V
Capacity (25℃)	10HR(10.8V)	120 Ah
	5HR(10.5V)	105Ah
	1HR(9.60V)	74.4Ah
Dimension	Length	442± 2mm
	Width	344±2mm
	Height	209.3± 2mm
	Total Height	215± 2mm
Ter minal type		T19/T11
Internal resistance (Fully charged, 25℃)		Approx. 4mΩ
Capacity affected by temperature (10HR)	40 ℃	102%
	25 ℃	100%
	0 ℃	85%
	-15 ℃	65%
Self -discharge (25 ℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃ (77℉± 5℉)
Operating temperature range	Discharge	-15℃～50℃(5℉～122℉)
	Charge	-10℃～50℃(14℉～122℉)
	Storage	-20℃～50℃(-4℉～122℉)
Float charging voltage(25℃)		27.00 to 27.60V Temperature compensation: -30 mV/℃
Cyclic charging voltage(25℃)		29.00 to 29.80V Temperature compensation: -50mV/℃
Maximum charging current		36A
Terminal material		T19: Lead, T11: Copper
Maximum discharge current		960A(5 sec.)

◆ Absorbent glass mat technology; ◆ ABS container.

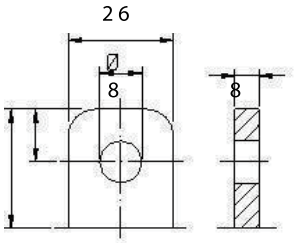
« Dimensions



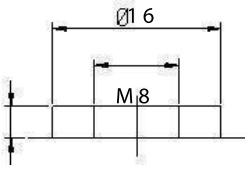




« Terminal



Terminal T19



Terminal T11

Constant Current Discharge Characteristics (A, 25℃)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
19.20V	198	120	74.4	43.8	30.6	25.1	21.4	18.7	14.7	12.2	6.41
19.80V	193	118	73.3	43.6	30.4	24.9	21.3	18.6	14.6	12.2	6.40
20.4V	186	114	71.4	43.2	30.2	24.8	21.1	18.5	14.5	12.2	6.38
21.0V	180	111	70.0	42.6	30.0	24.6	21.0	18.4	14.4	12.1	6.34
21.6V	170	107	67.9	41.5	29.1	23.9	20.4	17.8	14.0	12.0	6.30

Constant Power Discharge Characteristics (Watt, 25℃)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
19.20V	4348	2692	1696	1016	720	590	506	442	348	292	154.0
19.80V	4244	2638	1670	1010	716	586	504	440	346	292	153.6
20.4V	4088	2558	1628	1000	710	582	500	438	344	290	153.2
21.0V	3948	2496	1596	986	706	578	496	434	342	288	152.2
21.6V	3740	2404	1548	960	684	562	482	422	332	286	151.2

Note: The above characteristics data can be obtained within three charge/discharge cycles.

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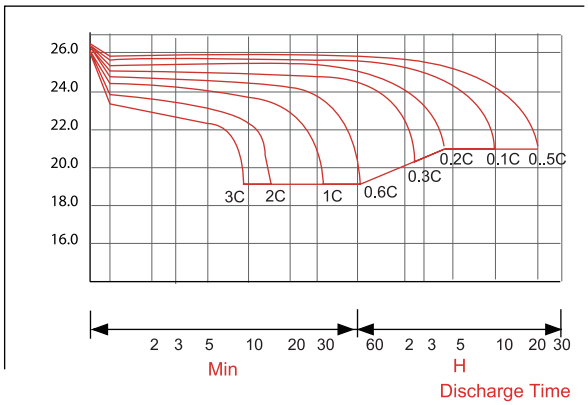
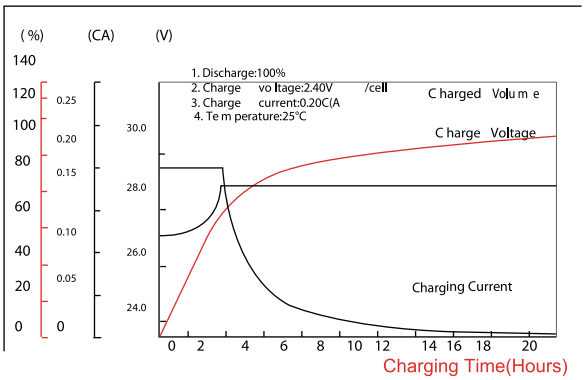
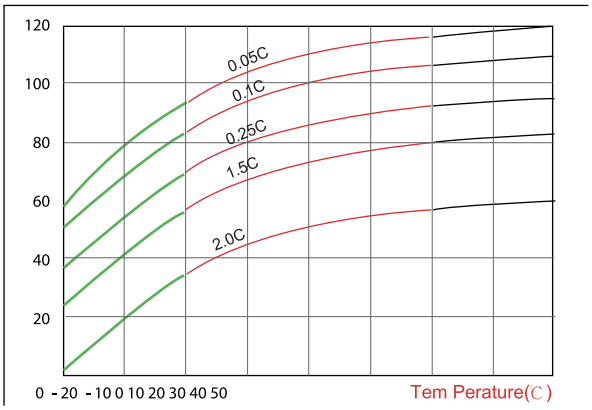
Discharge Characteristics(25℃)



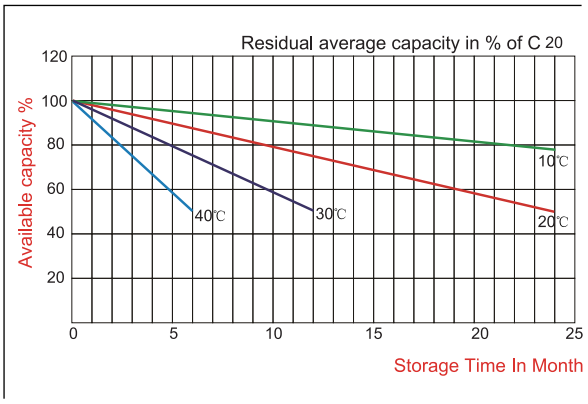
Charging Characteristics(25℃)



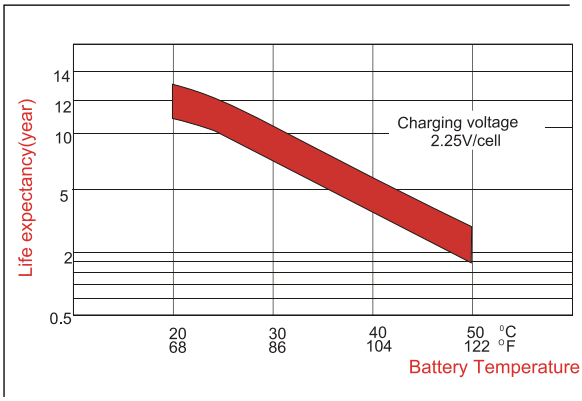
Effect of Temperature on Capacity



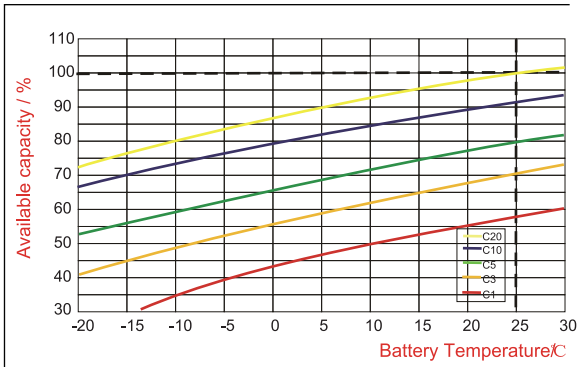
General Relation Of Capacity VS.Storage Time



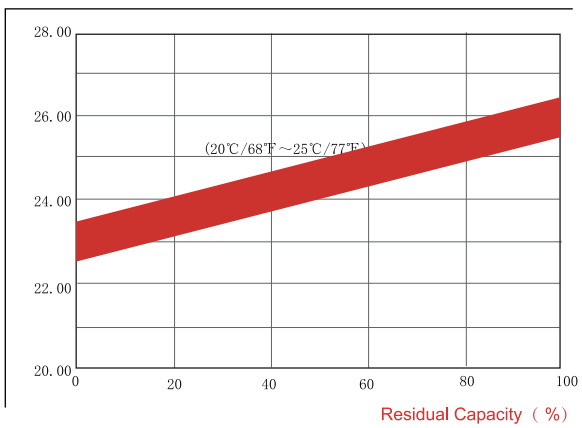
Effect of Temperature on Long Term Float Life



Temperature Effects in Relation to Battery Capacity



The Relationship for Open Circuit Voltage And Residual Capacity (25℃)



Cycle Life on D.O.D(25℃)