



901 Algona Blvd N. Suite F
Algona, Wa 98001
Ph: 888-489-9820
Fx: 253-218-2905

TITLE

XPC-1150

[VX] Vision X

DRAWING NAME

VX-TS-XPC1150



Specifications

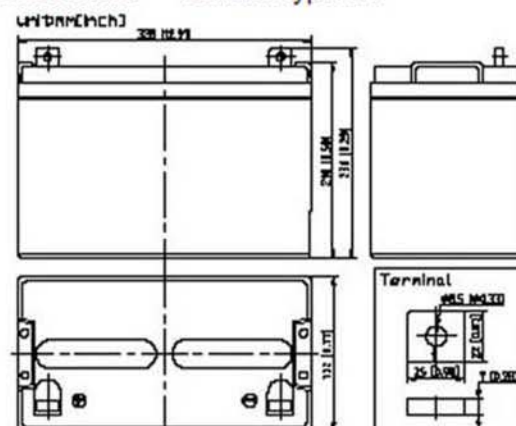
Nominal voltage		12V
Rated capacity (20 hour rate)		110Ah
Dimensions	Length	12.91in (327.9 mm)
	Width	6.77in (172.0 mm)
	Height	8.58in (217.9 mm)
	Total Height	9.29in (236.0 mm)
Approx. weight		67.24lbs (30.5 kg)

Characteristics

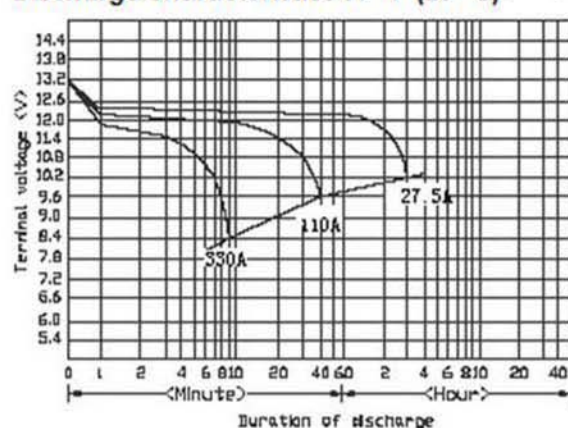
Capacity ^(Note) 77° F (25° C)		20 hour rate(5.50A) 10 hour rate(10.23A) 5 hour rate(18.70A) 1 hour rate(66.00A)	110Ah 102.3Ah 93.5Ah 66Ah
Internal resistance (milliohms)		Fully charged battery 77° F (25°C)	Approx. 5
Temperature dependency of capacity (20 hour rate)		104° F 77° F 32° F 5° F	102% 100% 85% 65%
Self discharge 77° F (25°C)		Residual capacity after standing 3 months Residual capacity after standing 6 months Residual capacity after standing 12 months	91% 82% 64%
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	38.5 A or smaller
		Control voltage	14.5 - 14.9
	Float use	Control voltage	13.6 - 13.8

(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

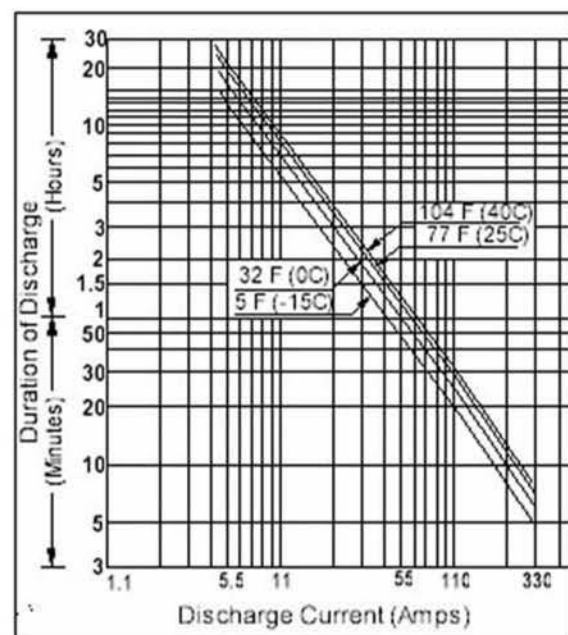
Dimensions Terminal type: L3



Discharge characteristics 77° F (25° C) (Note)



Duration of discharge vs. Discharge current (Note)





901 Algona Blvd N. Suite F
Algona, Wa 98001
Ph: 888-489-9820
Fx: 253-218-2905

TITLE

XPC-1150

[VX] Vision X

DRAWING
NAME

VX-TS-XPC1150

Constant Power Discharge Watts Per Cell (25° C)

End Voltage /cell	Minute								Hour					
	5	10	15	20	30	40	50	60	2	3	5	8	10	20
1.80	454	357	283	236	183	151	130	118	71.2	51.1	33.8	23.1	19.3	8.47
1.75	507	379	302	243	191	158	136	122	72.6	51.9	34.3	23.8	19.8	8.58
1.70	544	405	316	251	200	163	141	123	73.9	52.5	34.7	24.5	20.0	8.58
1.65	580	415	324	258	206	166	144	125	74.3	52.9	34.7	24.5	20.0	8.58
1.60	612	427	332	266	224	169	147	128	75.6	52.9	34.7	24.5	20.0	8.58

Constant Current Discharge Rating Amperes (25° C)

End Voltage /cell	Minute						Hour								
	5	10	20	30	40	50	1	2	3	4	5	6	8	10	20
1.80	198	165	121	99	77.0	66.0	58.3	35.2	26.4	21.4	18.0	15.8	12.5	10.4	5.50
1.75	220	181	132	110	81.4	69.3	60.5	36.3	27.5	22.0	18.4	16.1	12.9	10.6	5.61
1.70	250	204	145	113	89.9	75.3	66.0	38.0	27.9	22.4	18.7	16.3	13.0	10.7	5.68
1.65	265	214	162	115	91.6	76.5	67.1	38.7	28.1	22.5	18.8	16.5	13.2	10.9	5.68
1.60	275	220	165	116	92.6	77.4	67.8	39.0	28.2	22.6	18.9	16.6	13.2	10.8	5.68