

DIM - PURE LEAD MULTI APPLICATION
DIM - 12070 (12V70AH)

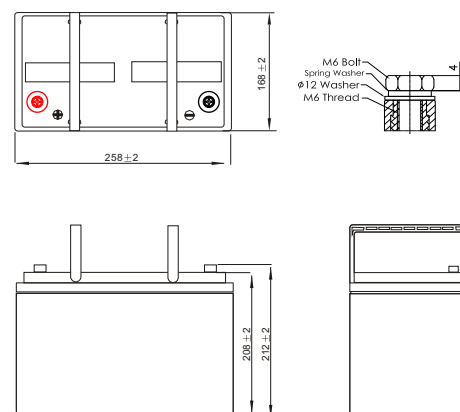
DREAM
INDUSTRIES

SPECIFICATIONS

RATED VOLTAGE	MODEL DIM 12070	12 V
NOMINAL CAPACITY	C10, 1.80V/cell	70 Ah
	C8, 1.75V/cell	70 Ah
DIMENSION	Length	258±2mm
	Width	168±2mm
	Container Height	208±2mm
	Total Height	212±2mm
APPROX. WEIGHT		20.2Kg
TERMINAL		M6
CONTAINER MATERIAL	ABS flame retardant jar and cover	
RATED CAPACITY	72.5 Ah	20Hr, 3.64A, 1.80V/cell
	70.0 Ah	10Hr, 7.00A, 1.80V/cell
	60.3 AH	5Hr, 12.1A, 1.75V/cell
	54.8 Ah	3Hr, 18.2A, 1.75V/cell
	43.2 AH	1Hr, 42.7A, 1.670V/cell
MAX. DISCHARGE CURRENT		840A
INTERNAL RESISTANCE (25°C)	Approx. 3.8 mΩ (Fully charged)	
OPERATING TEMP. RANGE	Discharge	-40~65°C
	Charge	0~54°C
	Storage	-20~40°C
NOMINAL OPERATING TEMP. RANGE		25±3°C
MAX. CHARGING CURRENT (25°C)		21.0 A
CHARGE VOLTAGE(25°C)	Float	13.62V
	Temp. Coefficient	-3mV/cell/°C
	Equalization	14.1~14.4V
EFFECT OF TEMP. TO CAPACITY	40°C	103%
	25°C	100%
	0°C	86%
SELF DISCHARGE	DIM series batteries can be stored up to 24 months at 25°C, For higher temperatures the time interval will be shorter. Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.	



LAYOUT



CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	119.8	94.2	80.1	67.0	53.2	40.3	33.0	21.0	16.6	13.6	10.9	9.53	7.74	6.61	3.61
1.80V/cell	160.8	120.4	96.8	79.2	62.8	46.9	37.0	22.9	17.9	14.5	11.7	10.2	8.20	7.00	3.64
1.75V/cell	181.3	132.2	105.7	85.2	65.2	48.6	38.7	23.8	18.2	14.8	12.0	10.5	8.34	7.07	3.68
1.70V/cell	199.7	144.1	112.9	89.5	67.9	50.6	39.9	24.7	18.7	15.2	12.4	10.7	8.46	7.14	3.75
1.65V/cell	220.2	155.6	120.0	95.1	71.6	51.8	41.2	25.4	19.5	15.7	12.7	11.0	8.60	7.29	3.79
1.60V/cell	242.8	168.9	128.3	101.3	75.6	54.0	42.7	26.3	20.1	16.2	13.1	11.2	8.68	7.36	3.82

CONSTANT POWER DISCHARGE (WATTS/CELL) AT 25°C

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	219.1	174.0	149.5	126.3	101.5	77.5	63.6	40.8	32.4	26.5	21.4	18.7	15.3	13.0	7.14
1.80V/cell	290.9	219.7	178.2	147.1	117.9	89.4	70.9	44.2	34.7	28.2	22.9	20.0	16.1	13.8	7.20
1.75V/cell	321.0	237.5	192.2	156.7	121.4	91.9	73.9	45.7	35.2	28.7	23.5	20.5	16.4	13.9	7.26
1.70V/cell	343.7	253.0	202.4	163.5	125.7	95.2	75.9	47.4	36.1	29.4	24.0	20.9	16.6	14.1	7.39
1.65V/cell	373.6	270.6	213.5	172.4	131.5	96.7	77.9	48.5	37.4	30.3	24.6	21.3	16.8	14.3	7.48
1.60V/cell	402.6	287.1	224.6	181.6	137.8	100.2	80.3	49.9	38.4	31.2	25.3	21.7	17.0	14.5	7.51