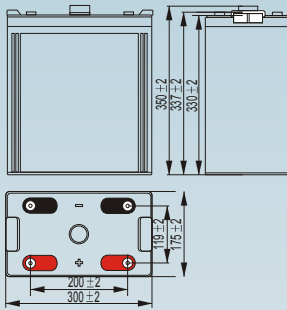


PG Range

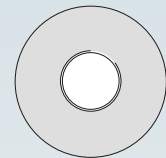
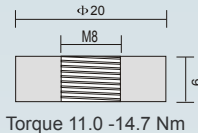
(15yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T11 Threaded Insert 8mm Stud



Physical Specification

Nominal Voltage		2V
Nominal Capacity		645.0 AH
Dimension	Length	175 ± 2 mm
	Width	300 + 2 mm
	Container Height	330 ± 2 mm
	Total Height (with terminal)	350 ± 2 mm
Weight		Approx 41.0kg
Standard Terminal		T11

PG-2V650



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hRate(1.80V/cell)	646.00AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 162.5A Voltage 2.4V ~ 2.5V at 25°C (77°F)
	10hRate(1.80V/cell)	600.00AH			
Capacity Affected by Temperature	5hRate(1.75V/cell)	588.88AH	Standby	Recommended Charge Current less than 162.5A Voltage 2.25V ~ 2.3V at 25°C (77°F)	
	3hRate(1.75V/cell)	522.00AH			
	1hRate(1.60V/cell)	372.00AH			
	40°C (104°F)	103%			
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

0.55mΩ

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	702.0	590.4	523.8	434.4	335.2	286.8	185.7	139.6	114.4	96.2	84.3	67.6	58.1	31.0
1.80V/cell	803.3	663.0	579.1	471.8	361.6	302.7	199.6	150.0	121.6	102.0	89.3	71.2	60.0	32.3
1.75V/cell	912.3	747.2	640.0	512.7	394.4	330.0	207.6	156.0	125.8	104.4	92.1	73.6	61.6	32.9
1.70V/cell	\	829.0	706.4	559.8	424.8	349.2	218.7	164.2	131.4	110.4	96.5	76.7	64.0	33.8
1.65V/cell	\	887.6	751.5	590.7	449.6	361.2	226.7	170.8	136.6	113.9	99.9	79.3	65.8	34.8
1.60V/cell	\	\	816.4	630.3	467.2	372.0	232.5	175.2	139.6	116.7	102.0	80.6	67.2	35.4

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1310.8	1113.5	997.8	836.7	651.0	558.9	364.3	275.0	225.9	190.6	167.4	134.9	116.2	62.1
1.80V/cell	1482.4	1233.7	1087.2	894.9	696.9	586.9	389.1	293.7	238.9	201.1	176.7	141.5	119.8	64.1
1.75V/cell	1657.0	1373.6	1190.1	964.6	752.9	636.8	403.1	304.3	246.3	205.1	181.7	145.9	122.8	65.7
1.70V/cell	\	1503.0	1303.9	1047.3	808.0	671.8	423.8	319.7	256.8	216.5	190.1	151.9	127.5	67.3
1.65V/cell	\	1597.0	1376.8	1096.2	847.5	689.9	436.8	331.1	265.9	222.6	196.1	156.7	130.8	69.3
1.60V/cell	\	\	1479.6	1161.7	876.0	706.8	445.8	338.1	271.0	227.3	199.6	159.1	133.3	70.3



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