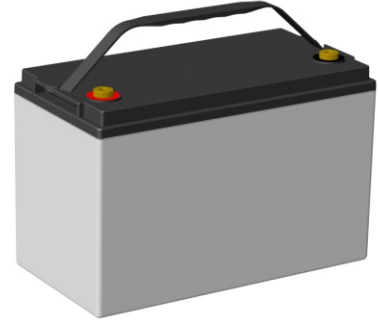


YALÇIN GOLD BATTERY

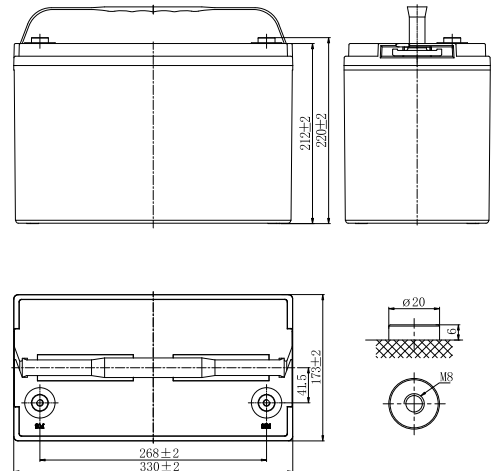
GLL12100.0 (12V100AH)

Specifications

Rated Voltage	12V	
Nominal Capacity	C ₁₀ , 1.80V/cell	100Ah
Dimension	Length	330±2mm (13.0 inches)
	Width	173±2mm (6.81 inches)
	Container Height	212±2mm (8.35 inches)
	Total Height	220±2mm (8.66 inches)
Approx Weight	30.5kg (67.2 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity(25°C)	105.0 Ah	C20(5.25A, 1.80V/cell)
	100.0 Ah	C10(10.0A, 1.80V/cell)
	84.5 Ah	C5(16.9A, 1.75V/cell)
	77.1 Ah	C3(25.7A, 1.75V/cell)
Max. Discharge Current	1000A (5s)	
	Internal Resistance(25°C)	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	-20 ~ 40°C (-4 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Standby Use	Initial Charging Current less than 30A. Voltage 2.23V~2.27V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Equalization Use	Initial Charging Current less than 30A. Voltage 2.35V~2.40V at 25°C(77°F)Temp. Coefficient -4mV/°C	
Cycle Use	Initial Charging Current less than 30A. Voltage 2.40V~2.50V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Yalcin Gold series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Layout



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

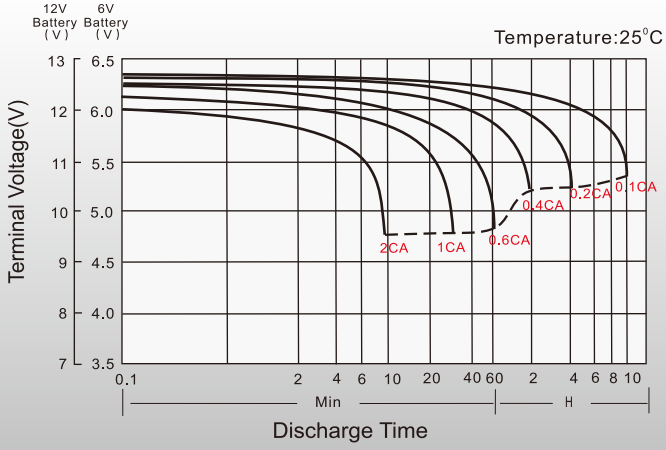
F.V/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	197.7	140.5	121.9	78.8	58.9	50.9	37.7	31.7	23.2	18.2	15.8	13.9	10.7	9.55	5.07
1.80V/cell	224.8	159.5	138.1	85.8	62.4	52.7	38.9	32.7	25.2	19.4	16.6	15.0	11.3	10.0	5.25
1.75V/cell	244.2	173.0	149.5	87.6	64.6	55.3	40.9	34.4	25.7	19.8	16.9	15.1	11.3	10.1	5.30
1.70V/cell	261.0	184.5	158.8	89.3	65.9	56.4	41.7	35.1	26.2	20.2	17.2	15.2	11.5	10.2	5.36
1.65V/cell	270.1	190.3	163.4	90.7	66.9	57.3	42.4	35.6	26.4	20.5	17.6	15.2	11.7	10.3	5.42
1.60V/cell	279.7	196.8	168.5	92.0	67.9	58.1	43.0	36.1	26.7	20.7	17.8	15.3	11.8	10.5	5.49

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

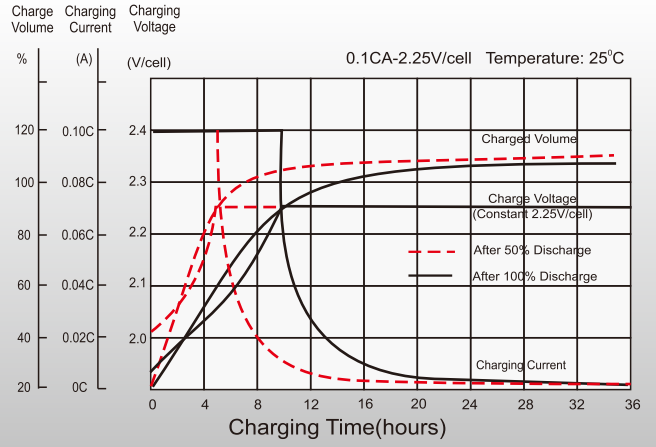
F.V/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	369.1	264.4	230.7	150.7	113.2	98.5	73.0	61.6	45.4	35.7	31.1	27.5	21.3	19.0	10.1
1.80V/cell	412.9	295.8	258.1	162.7	119.2	101.4	75.1	63.3	49.0	38.0	32.6	29.5	22.3	19.9	10.4
1.75V/cell	440.7	315.7	275.4	164.8	122.7	106.0	78.6	66.3	49.9	38.6	33.1	29.6	22.4	20.0	10.5
1.70V/cell	463.3	331.9	289.6	166.7	124.3	107.5	79.8	67.4	50.6	39.1	33.5	29.7	22.7	20.2	10.6
1.65V/cell	470.9	337.2	294.3	167.9	125.4	108.5	80.6	68.1	50.9	39.6	34.1	29.8	23.0	20.4	10.7
1.60V/cell	477.4	342.0	298.4	168.6	126.1	109.3	81.2	68.6	51.1	39.9	34.4	29.9	23.2	20.6	10.9

YALÇIN GOLD BATTERY

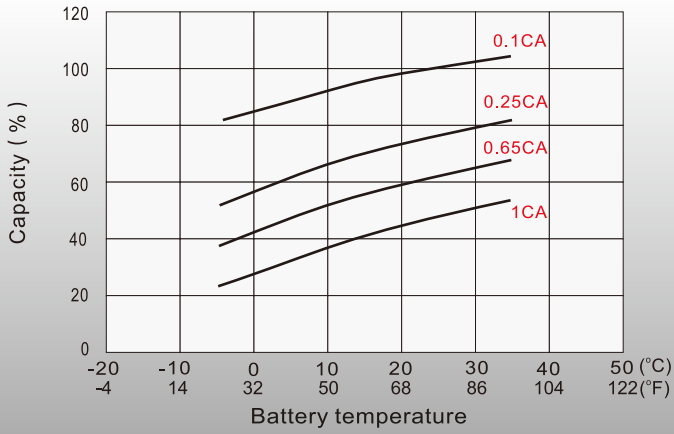
Discharge Characteristics



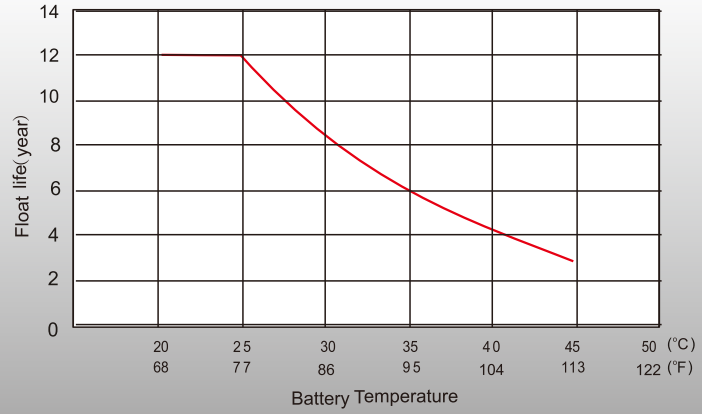
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Merkez

100. Yıl Bulvarı 1232. Sokak
(Eski 40. Sokak) No: 65
Ostim / ANKARA



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(0.312) 385 55 60
F. (0.312) 354 07 97



Servis

100. Yıl Bulvarı 1234. Sokak
(Eski 57. Sokak) No: 91
Ostim / ANKARA



Fabrika

Kırıkkale OSB Kızılırmak Caddesi
4. Sokak No: 6
Yahşihan / KIRIKKALE