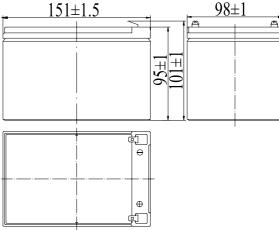
# GB12012.0(12V12Ah)

YALÇIN

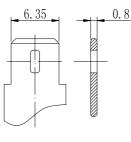
## Specifications

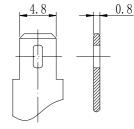
Nomin	al Voltage	12 V			
	20HR(10.5V)	12Ah			
Capacity (25 C)	10HR(10.5V)	11Ah			
(25 C)	1HR(9.60V)	7.8Ah			
	Length	$151 \pm 1.5$ mm (5.94inch)			
Dimension	Width	98±1mm (3.86inch)			
Dimension	Height	$95 \pm 1$ mm (3.74inch)			
	Total Height	$101 \pm 1$ mm (3.98 inch)			
Appro	x. Weight	3.5kg (7.92lbs)±5%			
Term	inal type	T2/T1			
	resistance arged, 25 C)	Approx. 19m Ω			
Capacity	40 C	102%			
affected by	25 C	100%			
temperature	0 C	85%			
(20HR)	-15 C	65%			
	3 month	Remaining Capacity: 91%			
Self-discharg (25 C)	6 month	Remaining Capacity: 82%			
× ,	12 month	Remaining Capacity: 65%			
	l operating perature	25 C ± 3 C(77 F ± 5 F)			
Operating	Discharge	-15 <b>4</b> 50 C(5 <b>K</b> 122 F)			
temperature	Charge	-10 <b>4</b> 50 C(14 <b>F</b> 122 F)			
range	Storage	-20 <b>4</b> 50 C(-4 <b>F</b> 122 F)			
Float chargin	g voltage(25 C)	13.60 to 13.80V Temperature compensation: -18mV/ C			
Cyclic chargin	ng voltage(25 C)	14.50 to 14.90V Temperature compensation: -30mV/ C			
Maximum c	harging current	3.6A			
Termina	al material	Copper			
Maximum di	ischarge current	180A(5 sec.)			
Designed flo	ating life(20 C)	10years			

# Dimensions



#### Terminal





BATTERY

Terminal T2

Terminal T1

# ◆ ABS container. Constant Current Discharge Characteristics (A. 25𝔅)

Absorbent glass mat technology;
Recognized by UL & CE;

constant	Curren	e Disente			, (i i						
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	28.8	22.8	12.7	7.80	4.26	3.06	2.45	2.08	1.35	1.13	0.61
9.90V	27.9	22.3	12.5	7.68	4.24	3.04	2.43	2.07	1.34	1.13	0.61
10.2V	26.8	21.4	12.1	7.49	4.20	3.02	2.42	2.05	1.33	1.12	0.60
10.5V	25.6	20.7	11.8	7.34	4.14	3.00	2.40	2.04	1.32	1.12	0.60
10.8V	24.2	19.6	11.4	7.11	4.03	2.91	2.33	1.98	1.28	1.09	0.59

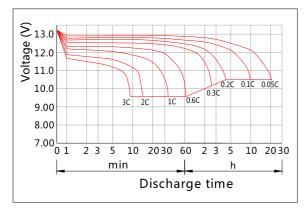
### Constant Power Discharge Characteristics (Watt, 25 &)

		· · · · · ·	5		<u> </u>						
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	325	260	146	90.3	49.9	36.4	29.2	24.8	16.2	13.6	7.31
9.90V	315	254	143	89.0	49.6	36.1	29.0	24.7	16.1	13.5	7.28
10.2V	302	244	138	86.7	49.1	35.9	28.8	24.5	16.0	13.5	7.24
10.5V	289	236	135	85.0	48.4	35.6	28.6	24.4	15.8	13.4	7.20
10.8V	273	224	130	82.4	47.2	34.6	27.7	23.6	15.4	13.1	7.06

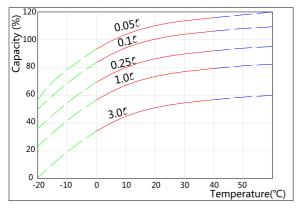
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Note: The above charac	Page 1 of 2		
Merkez	Tel&Fax	Servis	Fabrika
100. Yıl Bulvarı 1232. Sokak (Eski 40. Sokak) No: 65 Ostim / ANKARA	T. (0.312) 354 16 45 (0.312) 385 55 60 F. (0.312) 354 07 97	100. Yıl Bulvarı 1234. Sokak (Eski 57. Sokak) No: 91 Ostim / ANKARA	Kırıkkale OSB Kızılırmak Caddesi 4. Sokak No: 6 Yahşihan / KIRIKKALE

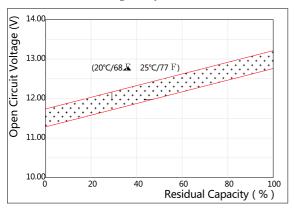
Discharge Characteristics  $(25\mathcal{L})$ 



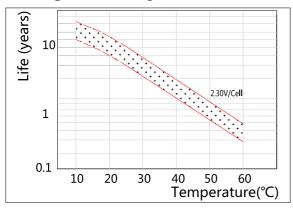
**Effect of Temperature on Capacity** 



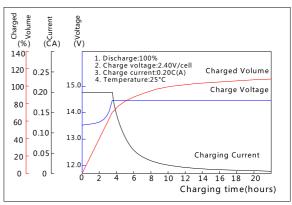
The Relationship for Open Circuit Voltage and Residual Capacity  $(25\mathcal{R})$ 



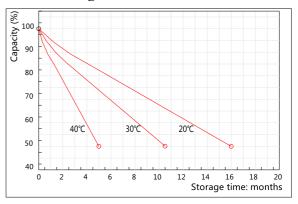
**Floating Life on Temperature** 



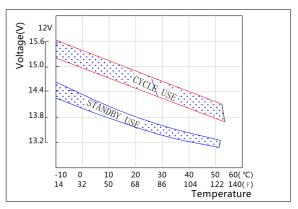
### Charging Characteristics(25*L*)



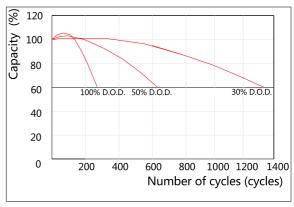
Self-discharge Characteristics



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25*C*)



Page 2 of 2

Herkez	Tel&Fax	Servis	Fabrika
100. Yıl Bulvarı 1232. Sokak	T. (0.312) 354 16 45	100. Yıl Bulvarı 1234. Sokak	Kırıkkale OSB Kızılırmak Caddesi
(Eski 40. Sokak) No: 65	(0.312) 385 55 60	(Eski 57. Sokak) No: 91	4. Sokak No: 6
Ostim / ANKARA	F. (0.312) 354 07 97	Ostim / ANKARA	Yahşihan / KIRIKKALE