

YALÇIN GOLD BATTERY

YGG12055.0 (12V55AH)

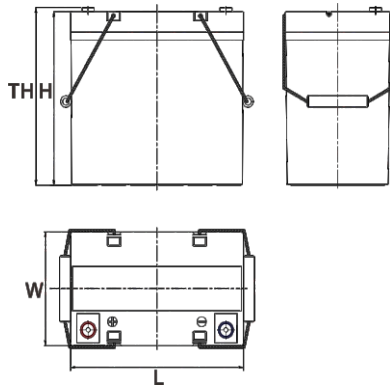
GENERAL FEATURES

- ◆ Oxygen recombination technology: maintenance-free, no need to add water or acid
- ◆ The patent grid alloy: less gassing, low self-discharge, excellent corrosion resistance
- ◆ Special paste formula: additives for deep discharge, long cycle life
- ◆ High quality AGM separator: extend cycle life and prevent micro short circuit
- ◆ The patent Nano silica electrolytes, extend cycle life and improve the deep discharge performance
- ◆ ABS container: increase the strength of battery (Flame-retardant ABS UL94-V0 is optional)

Dimension

Unit:mm

Length	228±2mm / 8.98inch
Width	139±2mm / 5.47inch
Container Height	210.5±3mm / 8.29inch
Total Height	215.5±3mm / 8.48inch



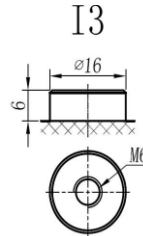
Application

- ◆ Renewable energy system
- ◆ Hybrid solar power system
- ◆ Uninterrupted Power Supply (UPS)
- ◆ Communications and electric equipment
- ◆ Emergency lighting equipment
- ◆ Fire alarm and security systems
- ◆ Robots, control equipment, and other factory automation equipment
- ◆ Emergency power supply (EPS)
- ◆ Various power toy and hobby equipment
- ◆ Lighting equipment

Terminal

Unit:mm

Terminal Type: I3



Weight

16.55kg 36.49lbs



Merkez

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



Tel&Fax

T. (0.312) 354 16 45
(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

Specificaion

Nominal Voltage	12V	
	58Ah	20hr Rate(1.80V/cell)
	55Ah	10hr Rate(1.80V/cell)
Rated Capacity(25°C)	47Ah	5hr Rate(1.75V/cell)
	44Ah	3hr Rate(1.70V/cell)
	34Ah	1hr Rate(1.60V/cell)
Container Material	ABS (Flame-retardant ABS UL94-V0 is optional)	
Operating Temperature Range	Discharge	-20 ~ +50°C
	Charge	0 ~ +40°C
	Storage	-15 ~ +40°C
Capacity Effected by Temperature	40°C / 104°F	106%
	25°C / 77°F	100%
	0°C / 32°F	86%
	-10°C / 14°F	65%
Charge Voltage	Float Voltage	2.25 -2.30V/cell@25°C, Tem. Coefficient: -3mV/cell/°C
	Equalize Voltage	2.35 -2.40V/cell@25°C, Tem. Coefficient: -3mV/cell/°C
	Cycle Voltage	2.40 -2.50V/cell@25°C, Tem. Coefficient: -5mV/cell/°C
Max Charging Current	16.5A (0.3C)	
Max. Discharge Current (5S)	660A	
Internal Resistance	7.5mΩ	
Self Discharge	<3%. YG series stored at 25 ° C require a supplementary charge every six months, the charging interval would shrink when the ambient temperature went higher	

Discharge Performance

Constant Current Discharge Table (25°C/77°F) Unit: A

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	92.3	72.6	61.7	51.6	41.0	31.5	25.89	16.50	13.10	10.70	8.60	7.49	6.08	5.20	2.889
1.80V/cell	124.0	92.8	74.6	61.0	48.5	36.6	28.99	18.00	14.10	11.40	9.23	8.03	6.45	5.51	2.920
1.75V/cell	139.8	101.9	81.5	65.6	50.3	38.0	30.39	18.70	14.30	11.60	9.46	8.25	6.56	5.57	2.951
1.70V/cell	153.9	111.1	87.0	69.1	52.3	39.5	31.29	19.40	14.70	11.90	9.71	8.42	6.65	5.62	3.002
1.65V/cell	169.7	119.9	92.5	73.3	55.2	40.5	32.39	20.00	15.30	12.40	9.98	8.61	6.75	5.74	3.043
1.60V/cell	187.2	130.2	98.9	78.1	58.3	42.3	33.59	20.70	15.80	12.70	10.30	8.79	6.82	5.80	3.063

Constant Power Discharge Table (25°C/77°F) Unit: W

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	92.3	72.6	61.7	51.6	41.0	31.5	25.89	16.50	13.10	10.70	8.60	7.49	6.08	5.20	2.830
1.80V/cell	124.0	92.8	74.6	61.0	48.5	36.6	28.99	18.00	14.10	11.40	9.23	8.03	6.45	5.51	2.860
1.75V/cell	139.8	101.9	81.5	65.6	50.3	38.0	30.39	18.70	14.30	11.60	9.46	8.25	6.56	5.57	2.890
1.70V/cell	153.9	111.1	87.0	69.1	52.3	39.5	31.29	19.40	14.70	11.90	9.71	8.42	6.65	5.62	2.940

Merkez

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

Tel&Fax

T. (0.312) 354 16 45
(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