PROCET® SCIENTIFIC

BATERÍA GEL 12V55A

81055

Nominal voltage	**12V**	
Nominal Capacity (20HR)	55AH	
Dimension	Length	229 ± 3mm (9.02 inches)
	Width	138 ± 2mm (5.43 inches)
	Container Height	208 ± 2mm (8.19 inches)
	Total Height (with Terminal)	225 ± 2mm (8.94inches)
Approx Weight	Approx 15.1 kg (32.9lbs	
Terminal	T9	
Container material	ABS	
Rated Capacity	57.7 AH/2.89A	(20hr ,1.80V/cell,25°/77°F)
	55.0 AH/5.50A	(10hr,1.80V/cell,25°/77°F)
	46.7 AH/9.35A	(5hr,1.75V/cell,25°/77°F)
	32.7 AH/16.9A	(3hr,1.75V/cell,25°/77°F)
	30.2 AH/30.2A	(1hr,1.60V/cell,25°/77°F)
Max. Discharg Current	600A (5s)	
Internal Resistance	Approx 8.3mΩ	
Operating Temp.Range	Discharge : -15 50°C (5 122°F) Charge : 0 40°C (32 104°F) Storage : -15 40°C (5 104°F)	
Nominal Operating Temp. Range	25 ±3°C (77 ±5°F)	
Cycle Use	Initial Charging Current less than 16.5 A.Voltage 14.4V~14.9V at 25°C(77°F)Temp. Coe□cient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp.Coe□cient -20mV/°C	
Capacity a□ectedby Temperature	40°C (104°F)	103%
	25°C (77 °F)	100%
	0°C (32°F)	86 %
Self Discharge	Techfine batteries may be stored for up to 6months at 25°C (77°F)and battery should be recharge before use . For higher temperatures the time interval will be shorter.	

Applications

- All purpose
- Solar Energy
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto controlsystem
- Security System
- Railway System

ISO 9001 | ISO 14001 | OHSAS 18001 | CE | RoHS

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

F.V/Time	5m	10m	15m	20m	30m	45m	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	111.2	87.5	74.4	62.2	49.4	37.4	30.6	19.5	15.4	12.6	10.2	8.85	7.18	6.14	3.35
1.80V/cell	149.3	111.8	89.9	73.5	58.3	43.5	34.3	21.3	16.6	13.5	10.9	9.49	7.62	6.50	3.38
1.75V/cell	168.4	122.8	98.2	79.1	60.6	45.2	35.9	22.1	16.9	13.8	11.2	9.75	7.75	6.57	3.41
1.70V/cell	185.4	133.8	104.8	83.1	63.0	47.0	37.0	23.0	17.4	14.1	11.5	9.95	7.86	6.63	3.48
1.65V/cell	204.5	144.4	111.4	88.3	66.5	48.1	38.3	23.6	18.1	14.6	11.8	10.2	7.98	6.77	3.52
1.60V/cell	225.5	156.8	119.2	94.1	70.2	50.2	39.7	24.4	18.7	15.1	12.2	10.4	8.06	6.84	3.54

* m: minutos

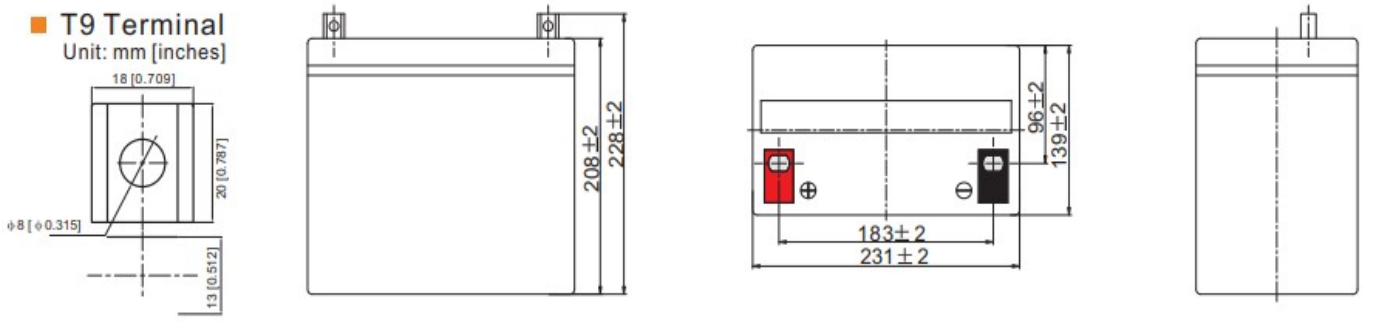
Constant Power Discharge (Watts) at 25 ℃ (77℉)

F.V/Time	5m	10m	15m	20m	30m	45m	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	203.4	161.6	138.8	117.3	94.2	71.9	59.1	37.9	30.1	24.6	19.9	17.4	14.2	12.1	6.63
1.80V/cell	270.1	204.0	165.4	136.6	109.5	83.0	65.9	41.1	32.2	26.2	21.3	18.6	15.0	12.8	6.69
1.75V/cell	298.1	220.6	178.5	145.5	112.7	85.3	68.6	42.5	32.7	26.7	21.8	19.0	15.2	13.0	6.74
1.70V/cell	319.1	235.0	187.9	151.8	116.7	88.4	70.5	44.1	33.5	27.3	22.3	19.4	15.4	13.1	6.87
1.65V/cell	346.9	251.2	198.3	160.1	122.1	89.8	72.4	45.0	34.8	28.2	22.8	19.8	15.6	13.3	6.95
1.60V/cell	373.8	266.5	208.5	168.6	128.0	93.1	74.5	46.3	35.7	28.9	23.5	20.1	15.7	13.4	6.98

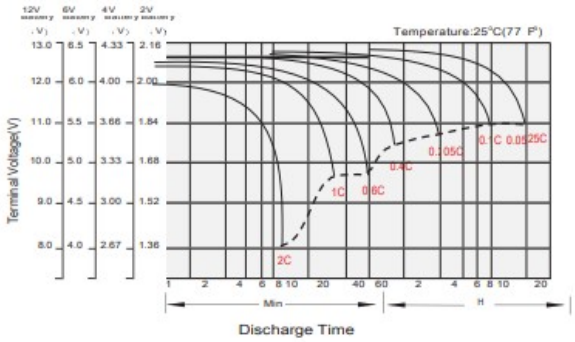
* m: minutos

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

Dimensions



Discharge Characteristics



Float Charging Characteristics