



## GE250-12 12V250AH

### GE SERIES-OPZV TUBULAR GEL Battery



#### Specification

Nominal Voltage	12V	
Nominal Capacity(10HR)	250.0AH	
Dimension	Length	520±3mm (20.55 inches)
	Width	268±2mm (10.5 inches)
	Container Height	220±2mm (8.58 inches)
	Total Height (with Terminal)	225±2mm (8.83 inches)
Approx Weight	Approx 66.5 Kg (146.61 lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	257.3AH/12.8A	(20hr, 1.80V/cell, 25°C/77°F)
	250.0 AH/25.0A	(10hr, 1.80V/cell, 25°C/77°F)
	218.7 AH/43.7A	(5hr, 1.75V/cell, 25°C/77°F)
	198.7 AH/66.2A	(3hr, 1.75V/cell, 25°C/77°F)
	161.5 AH/161.5A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	2000A (5s)	
Internal Resistance	Approx 2.0mΩ	
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 62.5 A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104 °F)	103%
	25°C (77 °F)	100%
	0°C (32 °F)	86%
Self Discharge	JYC GE series battery may be stored for up to 9 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

#### Applications

- ◆ Telecommunications
- ◆ Solar system
- ◆ Wind power system
- ◆ Engine starting
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats

ISO 9001	ISO 14001	OHSAS 18001	TLC
CE	RoHS	UL	PV Battery

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.80V	656.8	437.5	351.8	234.5	168.3	165.0	93.0	68.0	45.0	28.0	25.00	13.88
1.75V	696.2	463.8	369.3	241.5	173.3	170.0	95.3	69.7	45.7	28.3	25.25	14.01
1.70V	788.1	525.0	386.9	248.6	178.3	174.9	97.7	71.4	46.4	28.6	25.50	14.15
1.65V	775.0	516.3	404.5	255.6	183.4	179.9	99.5	72.8	47.0	28.8	25.75	14.29
1.60V	840.6	560.0	422.1	262.6	188.4	184.8	101.4	74.1	47.7	29.1	26.00	14.43

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.80V	1224.8	815.9	656.0	437.3	313.8	307.7	173.4	126.8	83.9	52.2	46.6	25.9
1.75V	1298.3	864.9	688.8	450.5	323.2	317.0	177.8	130.0	85.2	52.7	47.1	26.1
1.70V	1469.8	979.1	721.6	463.6	332.6	326.2	182.1	133.2	86.4	53.3	47.6	26.4
1.65V	1445.3	962.8	754.4	476.7	342.0	335.4	185.6	135.7	87.7	53.8	48.0	26.7
1.60V	1567.8	1044.4	787.2	489.8	351.4	344.7	189.1	138.2	89.0	54.3	48.5	26.9

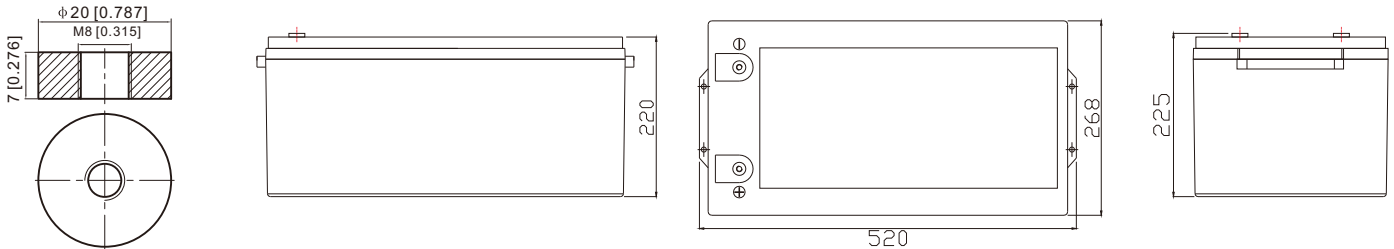
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.



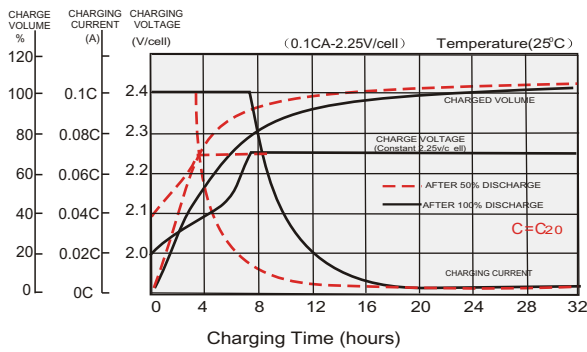
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### Dimensions

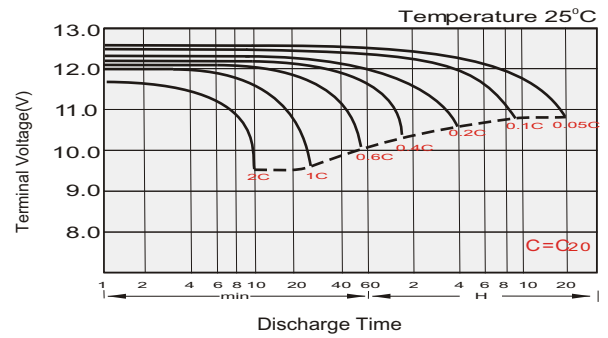
#### T11 Terminal Unit: mm [inches]



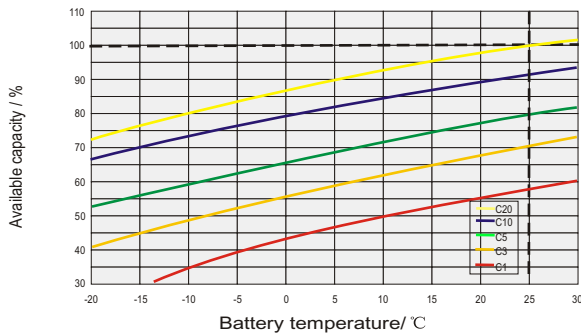
### Float Charging Characteristics



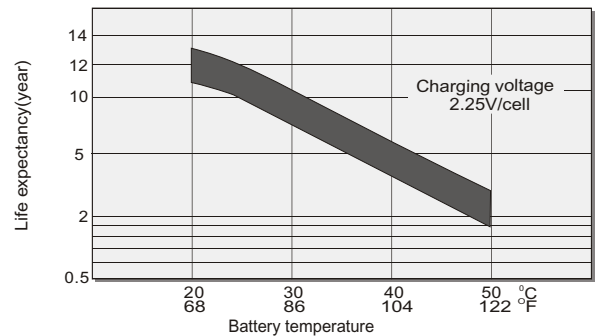
### Discharge Characteristics



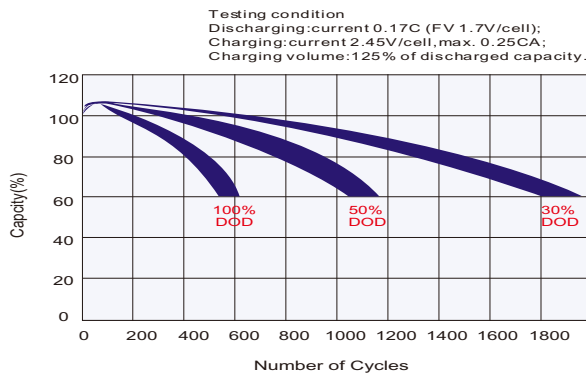
### Temperature Effects in Relation to Battery Capacity



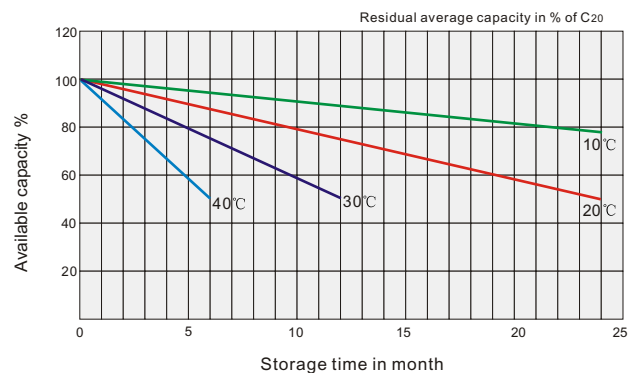
### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS. Storage Time



### JYC GE BATTERIES

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