

### Features

FS Value Series batteries are:

- Engineered to deliver highest value possible with consistent, dependable power meeting rated capacities
- 3-5 year service life in normal standby applications at consistent 25° C temperatures
- Valve Regulated Lead Acid (VRLA), Absorbent Glass Mat (AGM) Technology – Safe operation in any position
- Lead-calcium alloy grids and the use of high purity virgin lead
- Externally sealed Flame retardant ABS case and cover to UL94-HB specifications
- UL recognized (UR) as a component in UL approved equipment installations under File number MH46202
- Classified as non-spillable status for transportation making it non-hazardous for normal transportation processes. Approved for transport by air. Fulfills US D.O.T., I.A.T.A., F.A.A., C.A.B. handling and shipping requirements
- For more details on special design and construction details see Features and Benefits publication on [www.oraclebattery.com](http://www.oraclebattery.com)

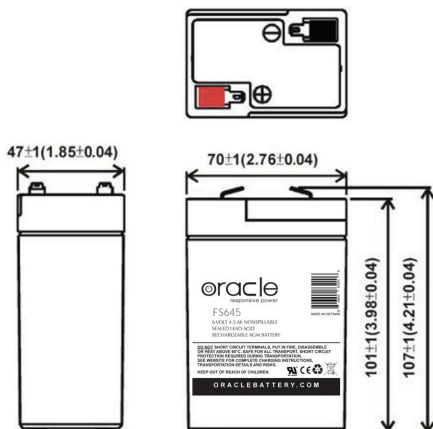


### Specification

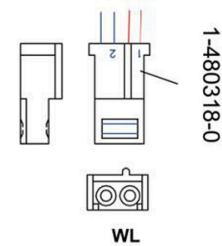
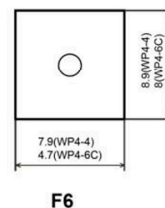
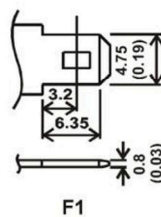
<b>Cell per unit</b>	3	<b>Ambient Temperature</b>
<b>Nominal Voltage (V)</b>	6	Charge 0°C (32°F) to 40°C (104°F)
<b>Nominal Capacity (Ah)</b>	4.5Ah @ 20 hour rate to 1.75vpc	Discharge -15°C (5°F) to 50°C (122°F)
<b>Weight</b>	Approx. 0.78kg (1.72Lbs.)	Storage -15°C (5°F) to 40°C (104°F)
<b>Internal Resistance (1KHz)</b>	45mΩ	<b>Max Charge Current</b>
<b>Max Discharge Current (5s)</b>	60A	Max charge current 0.8A
<b>Battery Life</b>	Stand by : 3~5 years	<b>Cycle use:</b> Charge voltage: 7.2 to 7.5V
<b>Terminal Type</b>	F1/F6/WL	<b>Stand by:</b> Charge voltage: 6.75 to 6.90V
<b>Container Material</b>	ABS 94-HB flame retardant case (94V-0 Optional)	



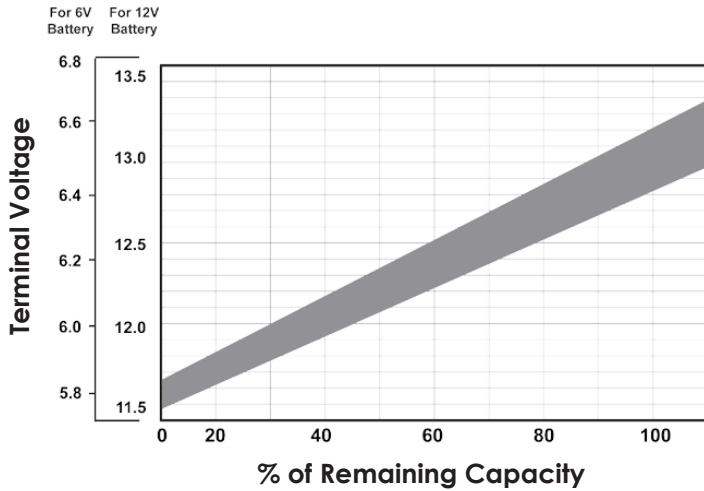
### Dimensions



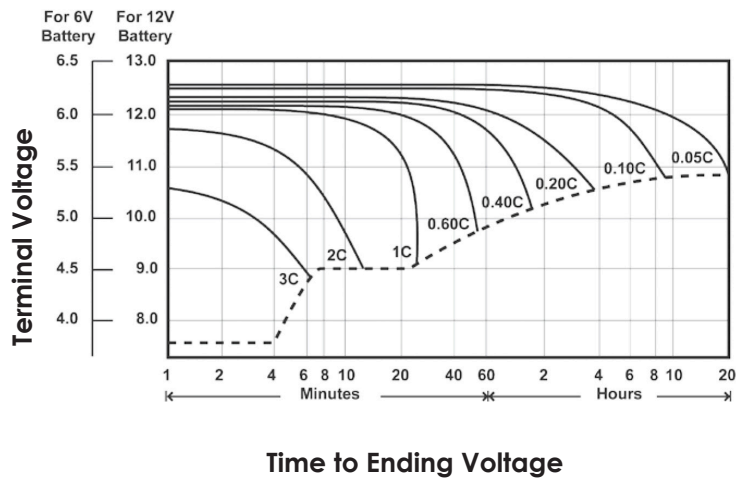
	Length	Width	Height	Total Height
Unit mm	70±1	47±1	101±1	107±1
Unit inch	2.76±0.04	1.85±0.04	3.98±0.04	4.21±0.04



## Terminal Voltage



## Discharge Times



## Charge Voltages

Temperature Compensated Charging	Average Temperature	Cycle Charging Volts Per Cell	Float Charging Volts Per Cell
	-40°C (-40°F)	2.85-2.95	2.38-2.43
	-20°C (-4°F)	2.67-2.77	2.34-2.39
	-10°C (14°F)	2.61-2.71	2.32-2.37
	0°C (32°F)	2.55-2.65	2.30-2.35
	10°C (50°F)	2.49-2.59	2.28-2.33
	20°C (68°F)	2.43-2.53	2.26-2.31
	25°C (77°F)	2.40-2.50	2.25-2.30
	30°C (86°F)	2.37-2.47	2.24-2.29
	40°C (104°F)	2.31-2.41	2.22-2.27
50°C (122°F)	2.25-2.35	2.20-2.25	

## Temperature Storage

Average Storage Temperature	Recharging Interval
68°F	Every 9 months
77°F	Every 6 months
95°F	Every 3 months

## Constant Current Discharge Characteristics (25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	16.00	7.40	4.60	2.70	1.63	1.19	0.800	0.540	0.450	0.236
1.67V	15.00	7.30	4.47	2.65	1.58	1.17	0.790	0.530	0.450	0.234
1.70V	14.00	7.12	4.29	2.52	1.53	1.14	0.770	0.520	0.440	0.231
1.75V	12.60	6.35	4.09	2.45	1.47	1.11	0.750	0.510	0.430	0.227
1.80V	10.50	5.80	3.83	2.34	1.41	1.10	0.730	0.500	0.420	0.225