

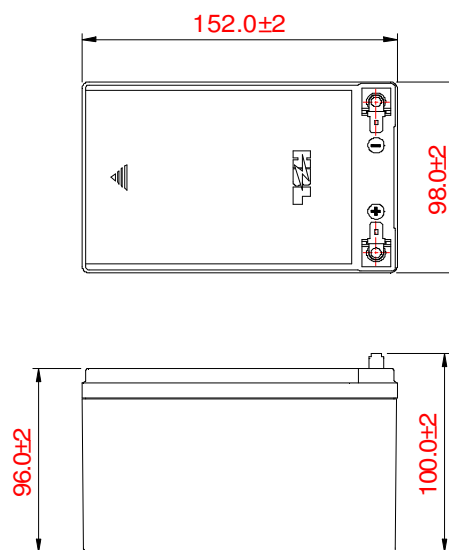
## Specifications

	Item	Specification
	<b><u>General Information</u></b>	
1.	Battery Type & Model	Sealed Maintenance-free VRLA Battery; Model: OPTI 12
2.	Nominal Capacity at 20 hr rate to end 10.5V/bloc at 25° C	12 Ah
3.	Nominal Voltage of Monobloc	12V
4.	Normal operating temperature	+20°C to +30°C
5.	Operating Temperature Limits	-20°C to +50°C
	<b><u>Mechanical Data</u></b>	
6.	Dimensions in mm	See Figure 1 below
7.	Weight in kgs	3.75 Kg (approx)
	<b><u>Electrical Data</u></b>	
8.	Ampere-hour efficiency	95% (minimum)
9.	Watt-hour efficiency	85% (minimum)
10.	Charging Voltage	
	a) Stand by Application	Boost: 14.0 V per battery at 25° C Float: 13.7 V per battery at 25° C Single setting: 13.8 V per battery at 25° C
	b) Cyclic Application	14.1 V per battery at 25° C
11.	Charging Current Limit	1.2 A (minimum) in Constant Voltage mode
	<b><u>Design Data</u></b>	
12.	Type of plate	Flat pasted
13.	Type of Separator	Absorptive Glass Mat (AGM)
14.	Material of container and lid	ABS
15.	Type of vent seal	Bunsen type, Self-resealing & pressure regulating
16.	Electrolyte	Dilute sulphuric acid in totally absorbed condition

### Constant current discharge performance data @ 25° C:

ECV	Discharge currents (Amps)							
	10 min	15 min	30 min	1 Hour	3 Hour	5 Hour	10 Hour	20 Hour
<b>1.75</b>	22.6	18.2	11.7	7.3	2.97	1.99	1.11	0.60

Figure 1:



All Dimensions are in mm