

ELC12-65 (12V 65Ah)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10 Hr)	65Ah	
Dimension	Length	350±1mm(13.78 inches)
	Width	167±1mm(6.57 inches)
	Containeriner Height	178±1mm(7.01 inches)
	Total Height (With terminal)	178±1mm(7.01 inches)
Approx Weight	Approx20.2kgs(44.53 lbs)	
Design life	10 years	
Terminal	M6	
Container Material	ABS	
Rated Capacity	69.6Ah/3.48A	(20hr, 1.75V/Cell, 25 °C/77°F)
	65.0Ah/6.5A	(10hr, 1.80V/Cell, 25 °C/77°F)
	57.0Ah/11.4A	(5hr, 1.75V/Cell, 25 °C/77°F)
	41.5Ah/41.5A	(1hr, 1.60V/Cell, 25 °C/77°F)
Max. Discharge Current	650A(5s)	
Internal Resistance	Appro≤7.0mΩ	
Operating Temp. Range	Discharge: -20 °C~50 °C	
	Charge: -20 °C~50 °C	
	Storage: -20 °C~50 °C	
Nominal Operating Temp. Range	25±3 °C(77±5°F)	
Cycle Use	Initial Charging Current Less than 16.25A. Voltage 14.4V-15.0V at 25 °C(77°F) Temp. Coefficient-20mV/C	
	No limit on Intital Charging Current Voltage 13.5V-13.8V at 25 °C(77°F) Temp. Coefficient-20mV/C	
Standby Use	40 °C(104°F) 103%	
Capacity affected by Temperature	25 °C(77°F) 100%	
	0 °C(32°F) 86%	
Self Discharge	ELC series batteries may be stored for up to 6 months at25 °C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Application

- ◆ All purpose
- ◆ Uninterruptable Power Supply(UPS)
- ◆ Electric Power System(EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and securitysystem
- ◆ Electronic apparatus& equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto controlsystem

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

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	117.3	69.1	52.3	41.5	24.4	17.9	12.1	10.5	8.3	6.8	3.61
1.67V	110.8	65.5	50.3	40.2	23.6	17.4	11.9	10.3	8.2	6.7	3.58
1.70V	104.1	63.6	48.5	38.7	22.9	16.9	11.6	10.1	8.1	6.6	3.52
1.75V	97.5	60.8	46.3	37.1	22.4	16.5	11.4	9.9	7.9	6.6	3.48
1.80V	91.5	58.6	44.7	35.8	21.5	16.0	11.2	9.8	7.8	6.5	3.45

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

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	224.3	137.2	99.4	79.6	46.2	34.3	23.3	20.3	16.1	13.3	7.1
1.67V	214.6	128.6	96.0	77.4	45.0	33.3	22.9	20.0	16.0	13.2	7.1
1.70V	200.0	125.8	93.0	74.8	43.9	32.6	22.6	19.8	15.8	13.1	7.0
1.75V	187.7	119.8	89.2	72.0	42.9	31.9	22.3	19.4	15.6	12.9	6.9
1.80V	176.2	114.9	86.3	69.7	41.5	31.0	21.8	19.1	15.4	12.9	6.9

