

### ELA12V7.0AH



### Specification

<b>Nominal Voltage</b>	12V	
<b>Nominal Capacity(20HR)</b>	7.0AH	
<b>Dimensions</b>	Length	151±1mm (5.95 inches)
	Width	65±1mm (2.54 inches)
	Container Height	93.5±1mm (3.68 inches)
	Total Height (with Terminal)	99±1mm (3.90 inches)
<b>Approx Weight Terminal</b>	Approx 2.18 kg (4.81lbs)	
<b>Container Material</b>	ABS	
<b>Rated Capacity</b>	7.00 AH/0.350A	(20hr, 1.80V/cell, 25°C/77°F)
	6.53 AH/0.653A	(10hr, 1.80V/cell, 25°C/77°F)
	5.80 AH/1.16A	(5hr, 1.75V/cell, 25°C/77°F)
	5.13 AH/1.71A	(3hr, 1.75V/cell, 25°C/77°F)
	4.26 AH/4.26A	(1hr, 1.60V/cell, 25°C/77°F)
<b>Max. Discharge Current</b>	105A (5s)	
<b>Internal Resistance</b>	Approx 23mΩ	
<b>Operating Temp.Range</b>	Discharge : -15~50°C (5~122 F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
<b>Nominal Operating Temp. Range</b>	25 <sub>o</sub> ±3°C (77±5°F)	
<b>Cycle Use</b>	Initial Charging Current less than 2.1A.Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
<b>Standby Use</b>	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
<b>Capacity affected by Temperature</b>	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

### Applications

- All purpose
- 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 control system



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h