

Specification

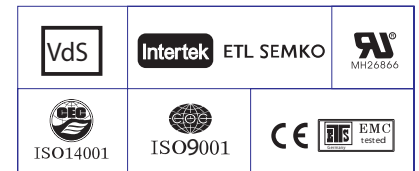
Nominal Voltage	12V
Nominal Capacity(20HR)	140Ah at 1.80V/cell @250C/770F
Dimensions	Length 330±3mm (12.99 inches)
	Width 173±2mm (6.81 inches)
	Container Height 213±3mm (8.39inches)
	Total Height (with Terminal) 216±1mm (8.50inches)
Approx Weight	Approx 30.8 kg (67.9 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	140.0 AH/10.0A (10hr, 1.80V/cell, 25°C/77°F)
	96.0 AH/12.0A (8hr, 1.80V/cell, 25°C/77°F)
	89.0 AH/17.8A (5hr, 1.75V/cell, 25°C/77°F)
	77.7 AH/25.9A (3hr, 1.75V/cell, 25°C/77°F)
	70.7 AH/70.7A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1500A (5s)
Internal Resistance	Approx 3.5mΩ
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±30C (77±50F)
Cycle Use	Initial Charging Current less than 30.0A. 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(770 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	Ideal Power series batteries may be stored for up to 9 months at 25° C(77°F) and then a freshening charge is required.

Applications

- UPS (High rate)
- Emergency power supply
- Banks & Financial Markets
- Hospitals & Testing Laboratories
- Industrial Process Control Facilities
- Data & Network Operations Centers

Compliant Standards

- IEC60896-21/22:2004
- BS 6290 Part 4



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
1.85V/cell	231.0	201.6	178.0	148.8	125.4	106.6	74.6	57.8	40.9	32.5	24.0	19.7	16.8	11.8	9.81
1.80V/cell	263.9	223.9	197.6	163.2	135.7	115.0	79.3	61.4	43.1	34.0	24.9	20.3	17.3	12.0	10.0
1.80V/cell	298.8	246.6	214.8	175.9	144.4	121.8	83.8	64.5	45.3	35.7	25.9	21.0	17.8	12.2	10.1
1.70V/cell	331.2	267.0	232.3	185.4	150.8	127.4	87.5	67.1	46.9	36.8	26.7	21.6	18.2	12.4	10.2
1.55V/cell	361.2	282.9	244.3	191.9	155.8	131.8	90.4	69.2	48.3	37.8	27.3	22.0	18.5	12.6	10.4
1.6V/cell	392.1	299.4	251.2	196.8	159.8	135.2	92.6	70.9	49.4	38.7	27.9	22.4	18.8	12.8	10.5

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
1.85V/cell	436.6	385.3	343.7	290.0	245.7	209.9	148.3	115.6	82.1	65.3	48.3	39.8	34.1	24.1	20.1
1.80V/cell	492.9	423.2	377.5	315.2	264.1	225.1	157.0	122.3	86.2	68.1	50.1	41.0	35.1	24.5	20.5
1.80V/cell	551.9	461.0	405.8	336.3	278.3	236.7	164.9	128.0	90.2	71.3	51.9	42.2	36.0	24.9	20.6
1.70V/cell	601.6	492.2	433.8	350.8	288.1	245.6	171.1	132.3	93.0	73.2	53.4	43.3	36.7	25.2	20.8
1.55V/cell	644.6	513.1	450.0	358.7	294.6	251.9	175.6	135.5	95.0	74.7	54.4	43.9	37.1	25.6	21.0
1.6V/cell	687.1	534.7	455.9	362.6	298.1	255.2	178.1	137.7	96.7	76.0	55.1	44.5	37.5	25.9	21.2