PK6V12F1

RECHARGEABLE SEALED LEAD ACID (VRLA) BATTERY

Nominal Voltage	***6 Volt***
20 Hour Rate Capacity	***12 Ah***

Dimensions	**Inches**	**mm**
Length	5.94	151
Width	1.97	50
Case Height	3.70	94
Terminal Height	3.94	100

[See Drawing for Tolerances]

	Lbs.	**Kg**
Weight *(Approx.)*	4.59	2.08

Case Material	A.B.S. (UL94-HB)
Terminal	Faston Type 187 (F1)

Maximum Short Duration Discharge Current

(5 Seconds or Less)	180 Amperes
(10 Seconds or Less)	120 Amperes
(60 Seconds or Less)	48 Amperes

Internal Resistance *(Fully Charged Battery)*
(Approximately) 7 mOhm

Energy Density (@ 20 Hour Rate)
1.66 Watt-Hours/Cubic Inch (101.45 Watt-Hours/Litre)

Specific Energy (@ 20 Hour Rate)
15.69 Watt-Hours / Pound (34.58 Watt-Hours / Kg)

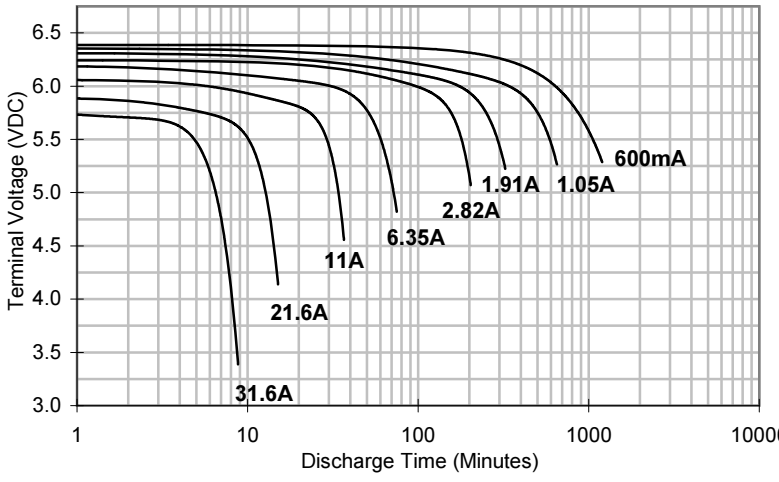
Operating Temperature Range

Discharge	-4°F (-20°C) ~ 122°F (50°C)
Recharge	32°F (0°C) ~ 104°F (40°C)
Storage	-4°F (-20°C) ~ 104°F (40°C)

Self Discharge Rate
About 3% / Month @ 68~77°F (20~25°C)

Constant Current Discharge Characteristics at 73.4°F (23ºC)

Discharge Time	**Discharge Amperes**	**Capacity in Ah's**	**Final Voltage**	**Discharge C-Rate**
20.0 Hrs	0.60	12.00	5.25	0.05
9.2 Hrs	1.20	11.10	5.25	0.10
5.0 Hrs	2.04	10.17	5.15	0.17
4.1 Hrs	2.4	9.77	5.10	0.20
2.1 Hrs	4.2	8.94	4.97	0.35
64.0 Mins	7.2	7.68	4.77	0.6
32.5 Mins	12	6.49	4.50	1.0
7.2 Mins	36	4.31	3.00	3.0



Recharge Method : Connect battery to a Current Limited, Constant Voltage Source.

- Limit the initial recharge current to 3 Amperes or less.
- To promote satisfactory performance in Cyclic applications, a minimum recharge current of 1.2 Amperes is recommended.
- Employ Charge Voltage Temperature Compensation when battery temperature is less than 50°F (10°C) or greater than 86°F (30°C). Use the **Recommended** voltage and normalize to 77°F (25°C).
- The use of compensation through the whole temperature range is not generally necessary, but doing so may optimize service life.
- If the **Recommended** recharge voltage is used, no Temperature Compensation is required within the range of 50~86°F (10~30°C).

Cyclic Application Recharge Voltage (77°F / 25ºC)

Minimum	**Recommended**	Maximum	
7.20	7.28	7.35	Volts D.C.
2.40	2.425	2.45	Per Cell

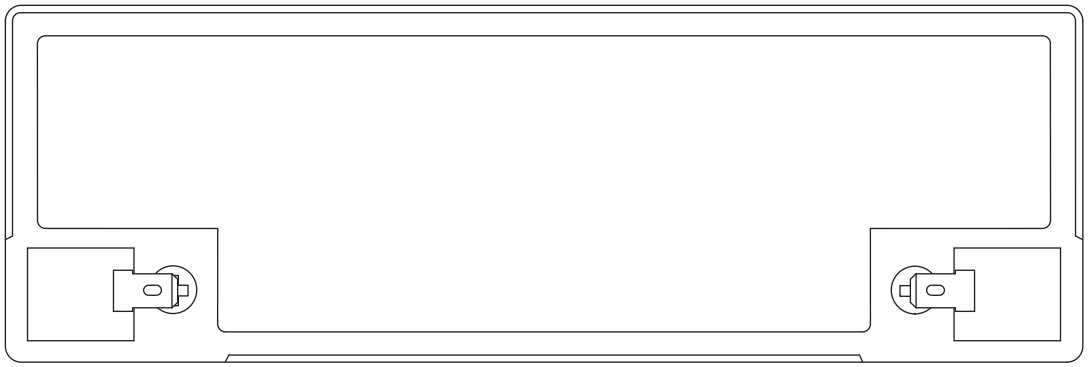
Temperature Coefficient: -2.8mV/°F/Cell (- 5mV/°C/Cell)

Standby Application Recharge Voltage (77°F / 25ºC)

Minimum	**Recommended**	Maximum	
6.75	6.83	6.90	Volts D.C.
2.25	2.275	2.30	Per Cell

Temperature Coefficient: -1.7mV/°F/Cell (- 3mV/°C/Cell)

Recognized by UL File No. MH20545



Peak Energy Products PK Series Rechargeable Sealed Lead-Acid (VRLA) Battery			
Model:	**PK6V12**		
Voltage:	**6**	Capacity:	**12 Ah (20 Hr)**
Terminal:	Faston Type 187 (F1)		
Dimensions:	mm (Inch)		
Drawing:	PK6V12T-0905CE		
Date:	2009.05.06		
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DO NOT SCALE DRAWING