



Specification Table

Nominal Voltage		12V
Capacity (25°C)	20HR (10.5V)	7Ah
	10HR (10.5V)	6.6Ah
	1HR (9.60V)	4.58Ah
Dimension	Length	151 ±1.5mm (5.94inch)
	Width	65 ±1mm (2.56inch)
	Height	95 ±1mm (3.74inch)
	Total Height	101 ±1mm (3.98inch)
Approx. Weight		2.05kg (4.5lbs) ±5%
Terminal Type		T1/T2
Internal Resistance (Fully charged, 25°C)		Approx. 28mΩ
Capacity affected by temperature (20Hr)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal Operating Temperature		25°C ±3°C (77°F ±5°F)
Operating Temperature Range	Discharge	-15°C to +50°C (5°F to 122°F)
	Charge	-10°C to +50°C (14°F to 122°F)
	Storage	-20°C to +50°C (-4°F to 122°F)
Float Charging Voltage (25°C)		13.6V to 13.8V Temperature Compensation: -18mV/°C
Cyclic Charging Voltage (25°C)		14.5V to 14.9V Temperature Compensation: -30mV/°C
Maximum Charging Current		2.1A
Terminal Material		Copper
Maximum Discharge Current		105A (5 sec.)
Designed Floating Life (20°C)		05 Years

Absorbent glass mat technology.
 Recognized by CE.
 ABS Container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.6V	26.8	16.9	13.4	7.47	4.58	2.5	1.8	1.44	1.22	0.67	0.36
9.9V	26	16.4	13.1	7.32	4.51	2.49	1.79	1.43	1.22	0.66	0.36
10.2V	24.9	15.7	12.6	7.1	4.4	2.47	1.77	1.42	1.21	0.66	0.35
10.5V	23.8	15.1	12.2	6.93	4.31	2.43	1.76	1.41	1.2	0.66	0.35
10.8V	22.5	14.2	11.5	6.67	4.18	2.37	1.71	1.37	1.16	0.64	0.35

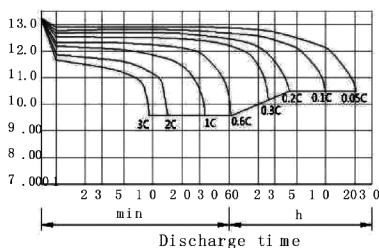
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.6V	299	191	153	85.6	53.1	29.3	21.4	17.1	14.6	7.99	4.29
9.9V	290	185	149	83.9	52.3	29.1	21.2	17	14.5	7.95	4.28
10.2V	278	177	144	81.4	50.9	28.9	21.1	16.9	14.4	7.92	4.26
10.5V	266	170	139	79.4	49.9	28.4	20.9	16.8	14.3	7.87	4.23
10.8V	251	160	131	76.5	48.4	27.7	20.3	16.3	13.9	7.71	4.15

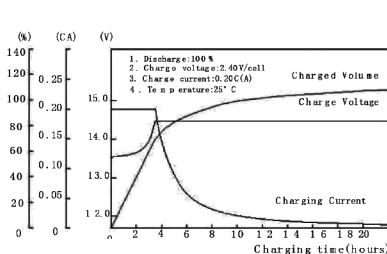
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Rating Curves

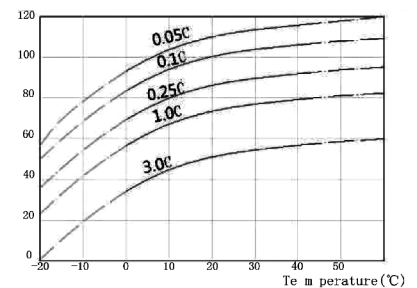
Discharge Characteristics(25°C)



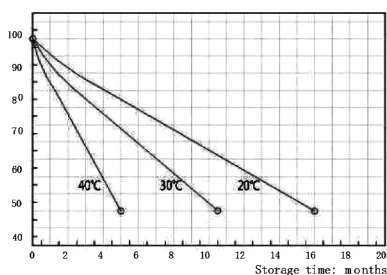
Charging Characteristics(25°C)



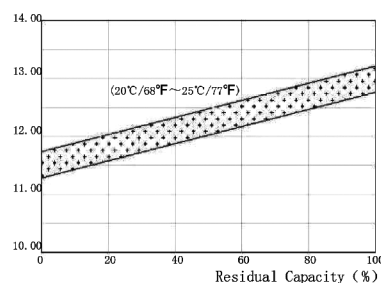
Effect of Temperature on Capacity



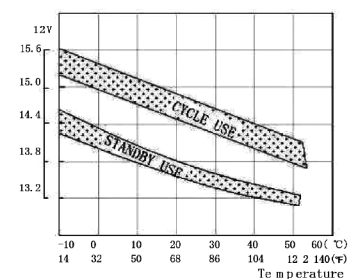
Self-discharge Characteristics



The Relationship for Open Circuit Voltage and Residual Capacity (25°C)

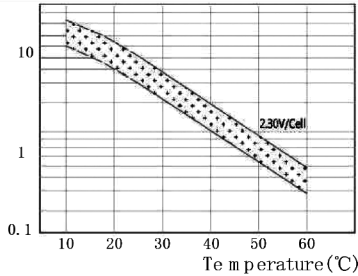


The Relationship for Charging Voltage and Temperature

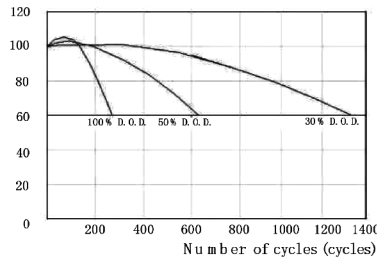


Rechargeable Battery

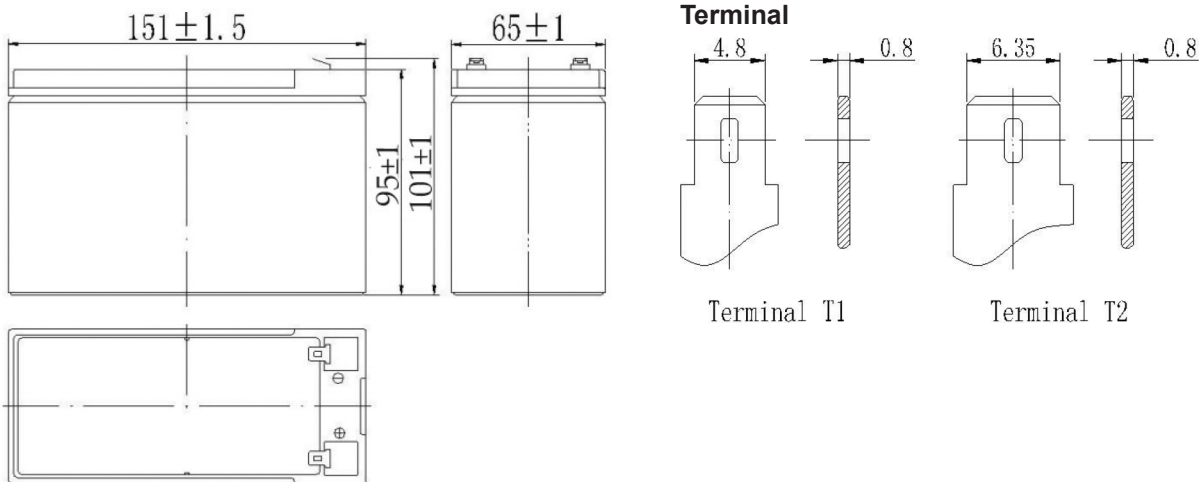
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Rechargeable Battery, 12V, Lead Acid, 7Ah	PEL01436

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-ELEC is the registered trademark of Premier Farnell Limited 2019.