



Specification

Nominal voltage		12 Volts
Rated capacity (C ₂₀ Hour rate at 27°C)		26 Ampere Hour
Dimensions (±2 mm)	Length	167 mm
	Width	126 mm
	Height	175 mm
Weight ± 1.0 Kgs (approx.)		9.0 Kgs

Characteristics*

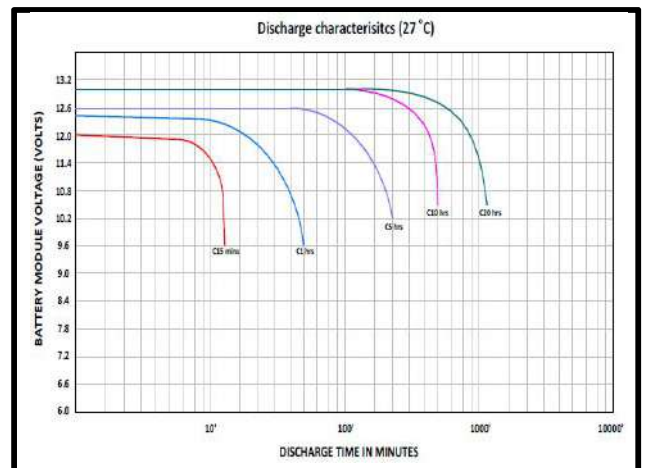
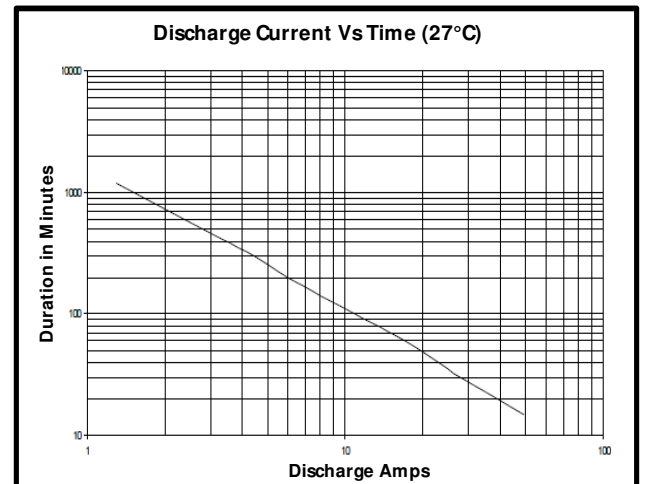
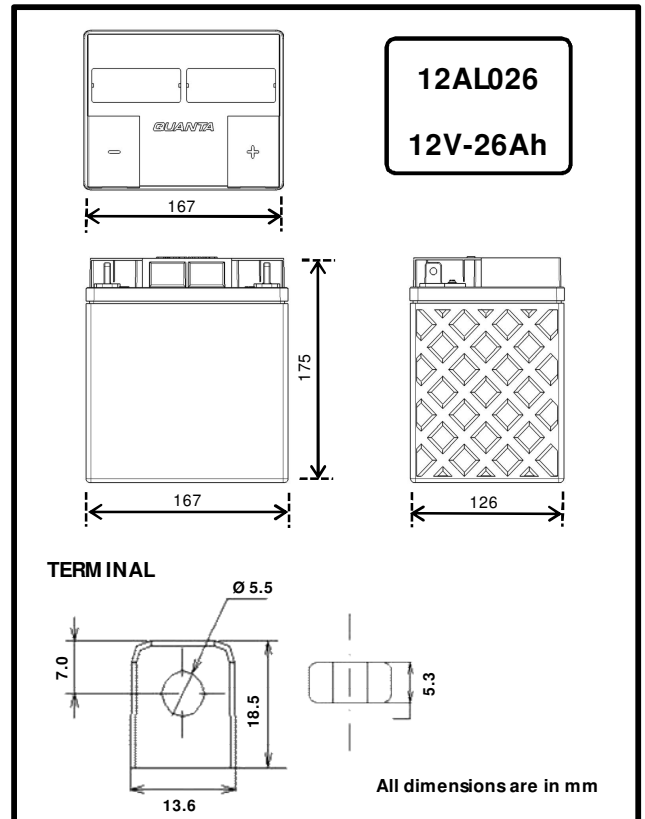
Capacity@ 80.6°F (27°C)	20 hour rate (1.30A) upto 10.5V	26.0 Ah
	10 hour rate (2.42A) upto 10.5V	24.20 Ah
	5 hour rate (4.46A) upto 10.2V	22.30 Ah
	1 hour rate (16.88A) upto 9.6V	16.88 Ah
	15 minute rate (46.93A) upto 9.6V	11.73 Ah
Internal resistance	Fully charged battery 80.6°F (27°C)	9.80 mΩ
Capacity affected (Temperature at C ₂₀ hour rate)	104°F (40°C)	110%
	80.6°F (27°C)	100%
	32°F (0°C)	80%
	5°F (-15°C)	60%
Self discharge 80.6°F (27°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
Terminal Type	M5 x 20 mm Bolted	
Short circuit current	1278 A	

Constant power discharge rating watts per battery @ 27°C*

ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs
1.60	716	557	456	340	211	120	82.0	56.0	36.0	31.0	15.0
1.65	712	548	448	330	207	119	81.0	55.0	35.5	30.5	14.5
1.70	707	538	440	320	202	118	80.0	54.0	35.0	30.0	14.0
1.75	673	518	424	311	198	117	79.5	53.5	34.5	29.5	13.5
1.80	638	498	408	302	193	116	79.0	53.0	34.0	29.0	13.0

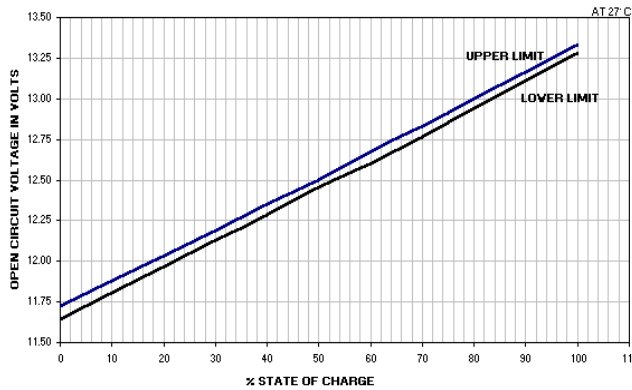
Constant current discharge rating amperes @ 27 °C*

ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	58.72	46.93	37.25	28.26	16.88	10.24	7.00	4.82	2.99	2.53	1.39
1.65	56.93	44.92	35.89	27.13	16.67	9.83	6.79	4.64	2.92	2.50	1.36
1.70	55.14	42.90	34.53	26.00	16.46	9.41	6.58	4.46	2.86	2.47	1.32
1.75	53.06	41.94	34.21	25.74	16.25	9.29	6.57	4.44	2.84	2.42	1.30
1.80	52.00	41.27	33.33	25.49	15.55	9.22	6.53	4.41	2.83	2.41	1.29

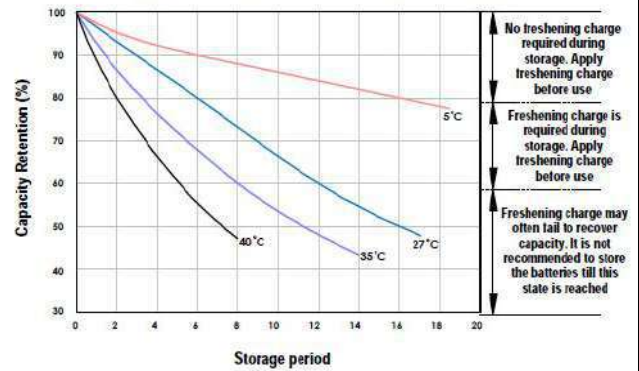


* Note: The above data are average values and can be obtained within three charge/discharge cycles
A tolerance of ±5% is applicable for the above constant power discharge and constant current discharge values

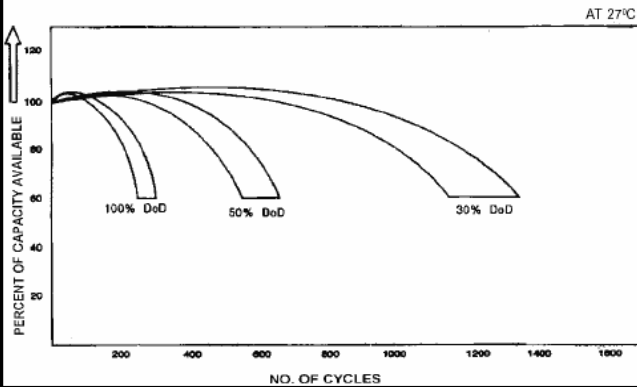
OPEN CIRCUIT VOLTAGE VS % STATE OF CHARGE



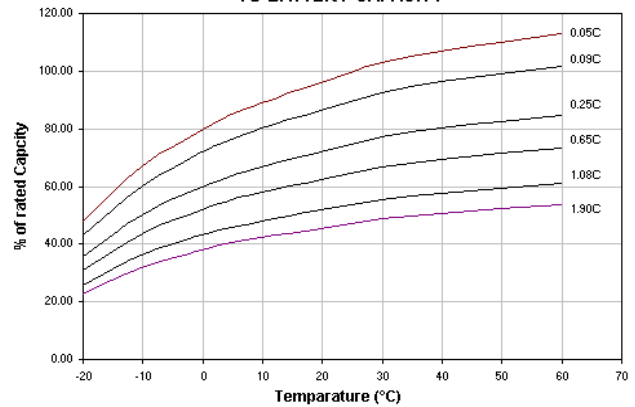
Shelf life characteristics at various Ambient Temperatures



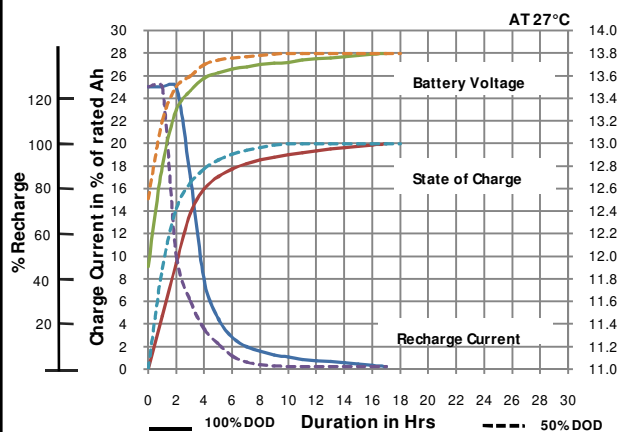
CYCLIC SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



TEMPERATURE EFFECT IN RELATION TO BATTERY CAPACITY



CONSTANT VOLTAGE CHARGING CHARACTERISTICS



CHARGING METHODS:

Constant voltage charging at 27° C

Stand by use : Charging voltage 13.5V/battery
Max. Charging current : 25 % of rated Ah capacity
Cyclic use : Charging voltage 13.8V/Battery
Max. Charging current : 25 % of rated Ah capacity
Temperature compensation : 18 mV/battery/°C

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CAUTION:

- ⚠ Avoid short circuit
- ⚠ Don't charge in a sealed container

Quality systems certified to

EN ISO 14001:2004
ISO/TS 16949:2009