

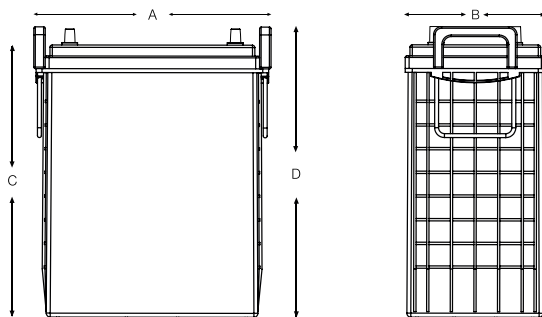
NORDMAX™

Semi-Traction Bloc Batteries

NM06240T1TG

(6V 245Ah @ 5hr)

Nordmax valve regulated lead-acid batteries for the light traction market. With an innovative Gel-technology and maintenance free design, Nordmax Gel Bloc batteries are compatible with all universal cyclic applications.



Electrical Specifications

Voltage	6V
80% DOD Voltage Cutoff	5.6V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Amp Hours (AH)					
20 hr	10 hr	5 hr	3 hr	2 hr	1 hr
280	263	245	221	194	146

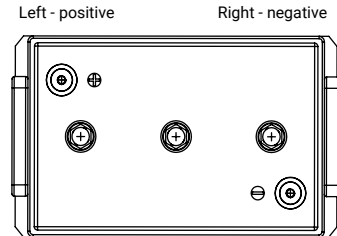
**CAUTION: Depths of discharge, operating voltages and currents, when designing systems for use at maximum temperatures, will vary.

Mechanical Specifications

Industry Reference	305	
Length (A)	11.9 in	302 mm
Width (B)	7.0 in	178 mm
Height (C)	13.6 in	346 mm
Height (D)*	14.6 in	370 mm
Weight	99 lbs	45 kgs
Terminal (Opt'l)	A-Pole	
Cell(s)	3	
Electrolyte	GEL	
Terminal Torque Nm	8	

NOTE: There is a tolerance of +/-2%.

* Including A-Terminal



Features

Maintenance-free bloc batteries in Gel technology (no topping up during lifetime)

Good high current performance for extreme operating conditions

High-class patented safety valve

700 cycles (DIN EN 60254-1) (IEC 254-1)

Capacity: 12V 146Ah - 280Ah

Valve-regulated lead-acid battery

Recyclable

Long cycle life

Low self discharge rate allows for up to 2 years shelf life

Classified as a non-spillable battery is not restricted for transportation by:

- Air (IATA/ICAO provision 67)
- Ground (STB, DOT-CFR-HMR49)
- Water (IMDG amendment 27)

Applications

Electric vehicles

Wheelchairs

Cleaning machines

Electric working platforms

Universal for multiple cyclic applications

Compliant with

EN60254-1&2 & IEC254-1/2
ISO 7176-25 SAE J 1495



Charging profile

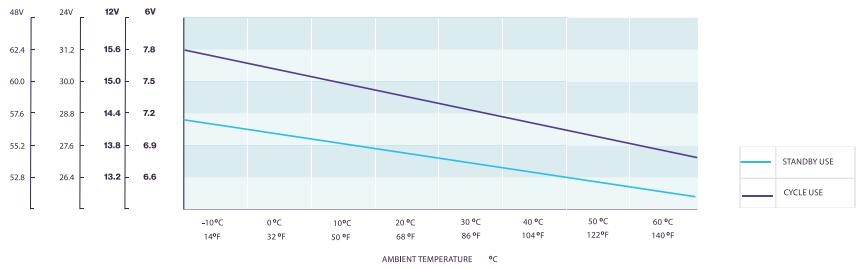
IU Charging

I = min. 12% C₅ max. 18% C₅
 U = 2.4 V per cell

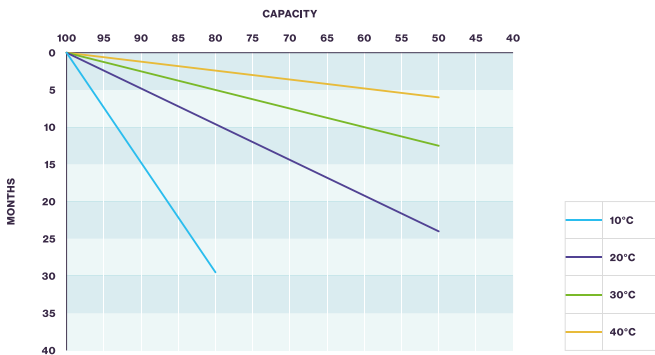
IUI Charging

I1 = min. 12% C₅ max. 18% C₅
 U = 2.35 V per cell
 I2 = 1.5 % C₅ for max. 4 hours

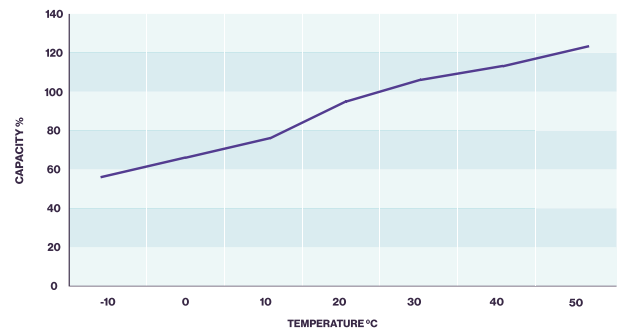
Relation between charging, voltage and temperature



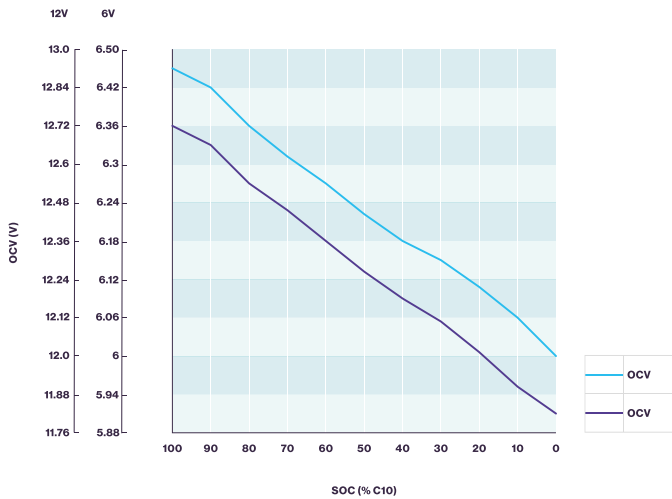
Self discharge at different temperatures



Capacity vs. temperature



Storage: Determine the state of charge



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www.nordmaxbattery.com

