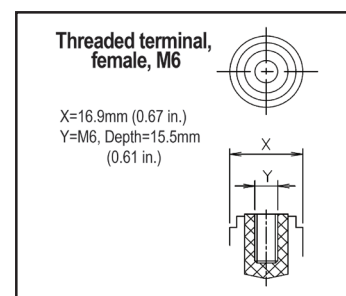


SPECIFICATIONS

BATTERY MODEL		TERMINAL OPTIONS	CASE MATERIAL OPTIONS
NPX-150		Threaded terminal, female, M6	UL 94 V-0 UL 94 HB
Nominal voltage (V)			12
15 minute rate to 10.02V at 25°C (77°F) (Watts per Cell)			150
20-hr rate Capacity to 10.5V at 25°C (77°F) (Ah)			43.0
10-hr rate Capacity to 10.5V at 25°C (77°F) (Ah)			40.3
TORQUE		2-3Nm (17.7-26.6 in-lb)	
DIMENSIONS			
Length			197mm (7.76 in.)
Width			165mm (6.50 in.)
Height over terminals			175mm (6.89 in.)
Weight			14.5kg (31.97 lb.)
OPERATING TEMPERATURE RANGE			
Storage (in fully charged condition)			-20°C to +60°C (-4°F to +140°F)
Charge			-15°C to +50°C (5°F to +122°F)
Discharge			-20°C to +60°C (-4°F to +140°C)
STORAGE			
Capacity loss per month at 25°C (77°F) (% approx.)			3
CHARGE VOLTAGE			
Float charge voltage at 25°C (77°F) (V)/Battery			13.65 (±1%)
Float charge voltage at 25°C (77°F) (V)/Cell			2.275 (±1%)
Float charge voltage temperature correction factor from standard 25°C (77°F) (mV)			-3
Cyclic (or Boost) charge voltage at 25°C (77°F) (V)/Battery			14.5 (±3%)
Cyclic (or Boost) charge voltage at 25°C (77°F) (V)/Cell			2.42 (±3%)
Cyclic charge voltage temperature correction factor from standard 25°C (77°F) (mV)			-4
CHARGE CURRENT			
Maximum charge current (A)			10.75
DISCHARGE CURRENT			
Maximum continuous discharge current, 5 sec. (A)			400
Short circuit current (A)			1200
IMPEDANCE			
Measured at 1 kHz (mΩ)			8.1
DESIGN LIFE			
Yuasa design life at 25°C (77°F)			up to 5 yrs



TERMINALS



LAYOUT



3RD PARTY CERTIFICATION

ISO 9001 Certificate
ISO 14001 Certificate
TAA Compliant – Made in Taiwan
DRC Conflict Free

LONG SHELF LIFE

The extremely low self discharge rate allows the battery to be stored for extended periods up to one year at normal ambient temperatures with no permanent loss of capacity.

FLOAT SERVICE LIFE

The expected service life is five years in float standby applications.

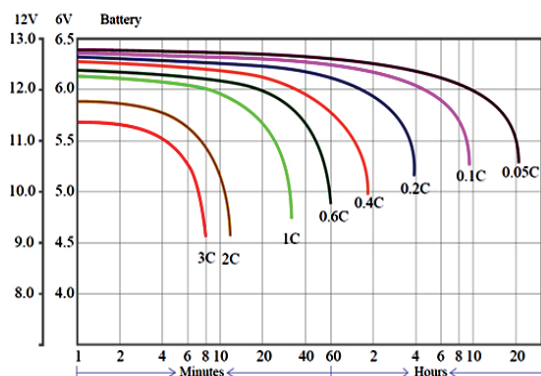




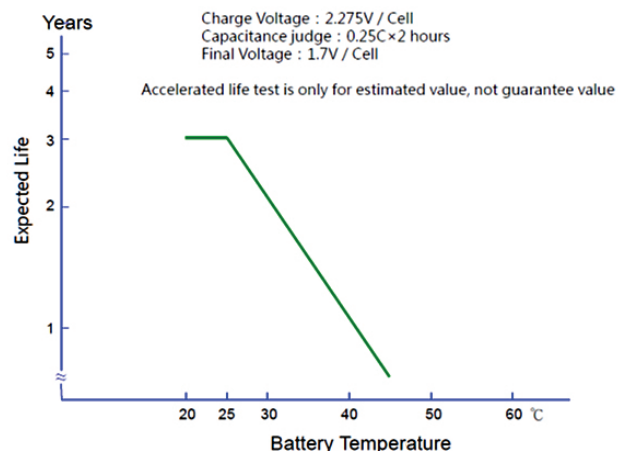
NPX-150

DISCHARGE CHARACTERISTICS

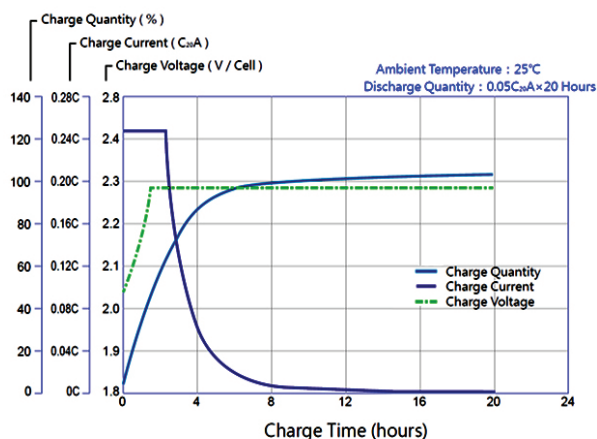
Discharge Characteristics Curves at 25°C



FLOAT SERVICE LIFE

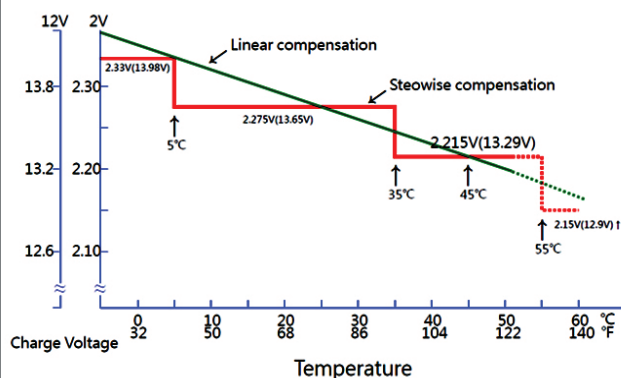


CHARGE CHARACTERISTICS



CHARGE VOLTAGE

Relationship Between Temperature and Charge Voltage



WARNING: Cancer and Reproductive Harm. Wash hands after handling. www.P65Warnings.ca.gov

ABOUT GS YUASA ENERGY SOLUTIONS, INC.

GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.



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