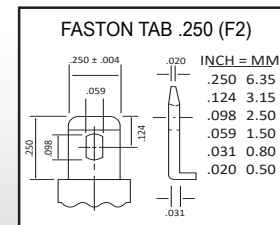
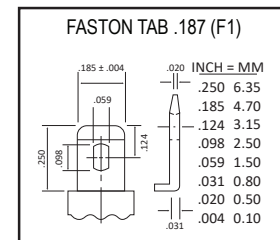


SPECIFICATIONS

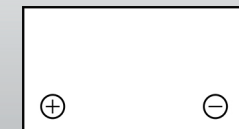
BATTERY MODEL	TERMINAL OPTIONS	CASE MATERIAL OPTIONS
NPY4.5-12	Faston .187 (F1) Faston .250 (F2)	UL 94 V-0 UL 94 HB
Nominal voltage (V)		12
20-hr rate Capacity to 10.5V at 25°C (77°F) (Ah)		4.5
10-hr rate Capacity to 10.5V at 25°C (77°F) (Ah)		4.2
DIMENSIONS		
Length		90mm (3.54 in.)
Width		70mm (2.76 in.)
Height over terminals		107mm (4.21 in.)
Weight		1.3kg (2.87 lbs.)
OPERATING TEMPERATURE RANGE		
Storage (in fully charged condition)		-15°C to +40°C (5°F to +104°F)
Charge		0°C to +40°C (32°F to +104°F)
Discharge		-15°C to +45°C (5°F to +113°F)
STORAGE		
Capacity loss per month at 25°C (77°F) (% approx.)		3
CHARGE VOLTAGE		
Float charge voltage at 25°C (77°F) (V)/Battery		13.8 (±1%)
Float charge voltage at 25°C (77°F) (V)/Cell		2.3 (±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		14.7 (±1%)
Cyclic (or Boost) charge voltage at 25°C (77°F) (V)/Cell		2.45 (±1%)
Cyclic charge voltage temperature correction factor from standard 25°C (77°F) (mV)		-4
CHARGE CURRENT		
Maximum charge current (A)		1.35
DISCHARGE CURRENT		
Maximum continuous discharge current, 5 sec. (A)		45
Short circuit current (A)		234
TEST VALUE		
Internal Resistance (mΩ)		45
DESIGN LIFE		
Yuasa design life at 25°C (77°F)		up to 3 yrs



TERMINALS



LAYOUT

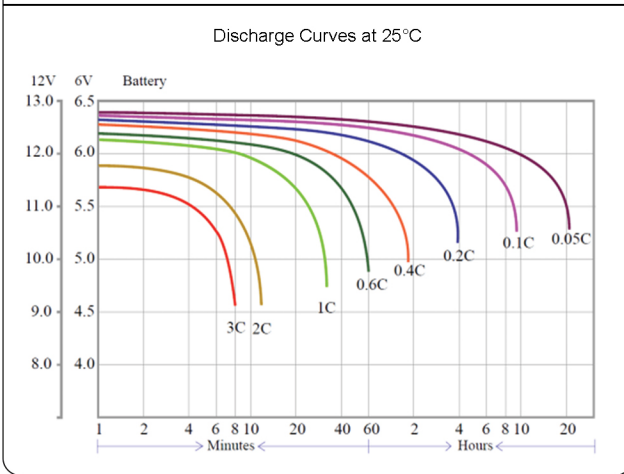


3RD PARTY CERTIFICATION

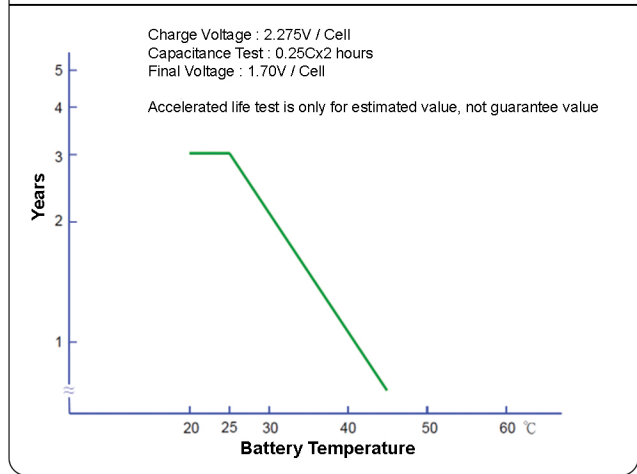
ISO 9001 Certificate
ISO 14001 Certificate
DRC Conflict Free



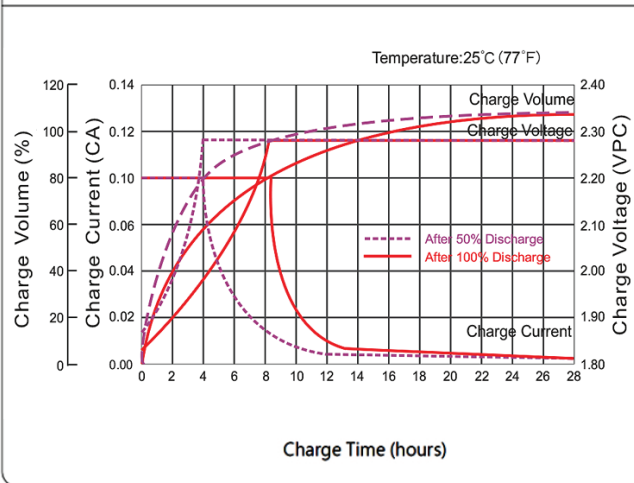
DISCHARGE CHARACTERISTICS



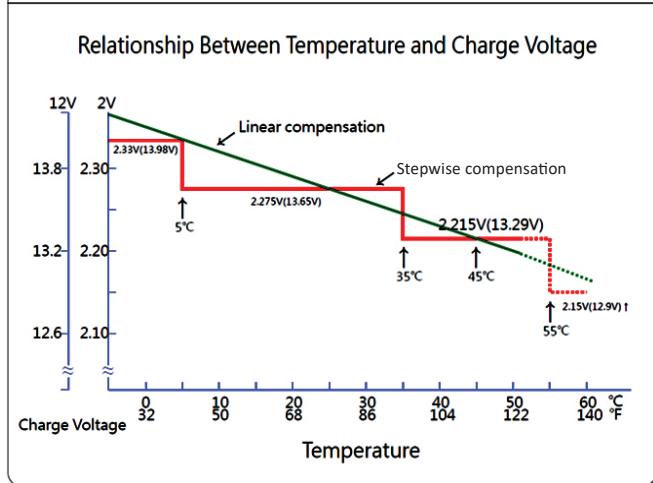
DESIGN LIFE



CHARGE CHARACTERISTICS



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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