



EnerSys®

Power/Full Solutions

New Product Introduction

The NP9-12

New Product Introduction

- NP9-12
 - Specifications:
 - 9Ah 12V battery
 - 36WPC
 - Same footprint as the NP7-12
 - 5.94 x 2.56 x 4.02”
 - Available with .250 terminal or M5 bolt
 - Manufactured in our Vietnam plant



EnerSys
Power/Full Solutions

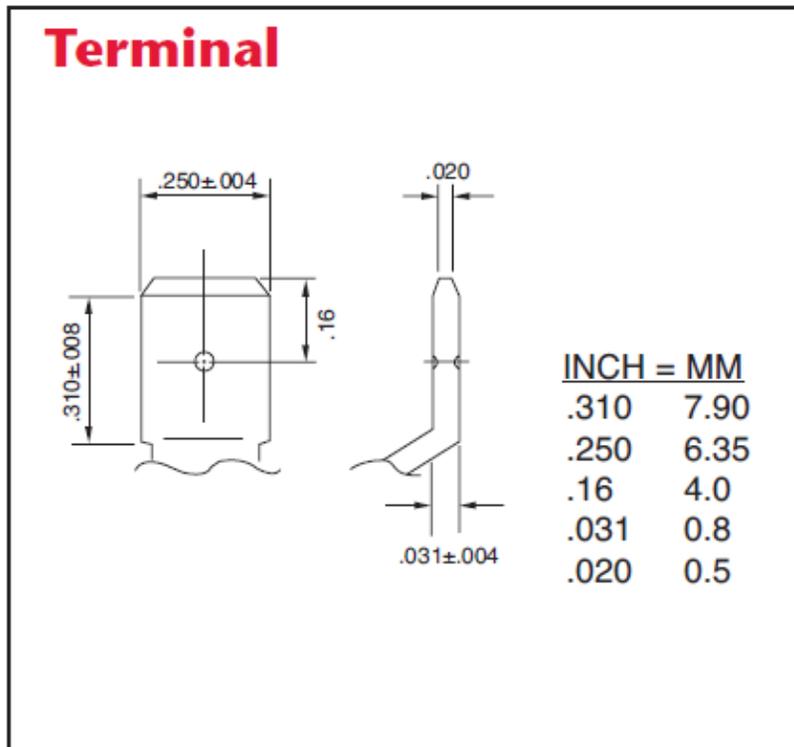
New Product Introduction

- Market segment
 - Portable generators
 - i.e. Generac GP7500E
 - UPS applications
 - Any application where NP7-12 or NPX-35 footprint is needed but more Ah/WPC
 - NP7-12 is 7.0Ah, NP9-12 is 9.0Ah
 - NPX-35 is 35WPC, NP9-12 is 36WPC

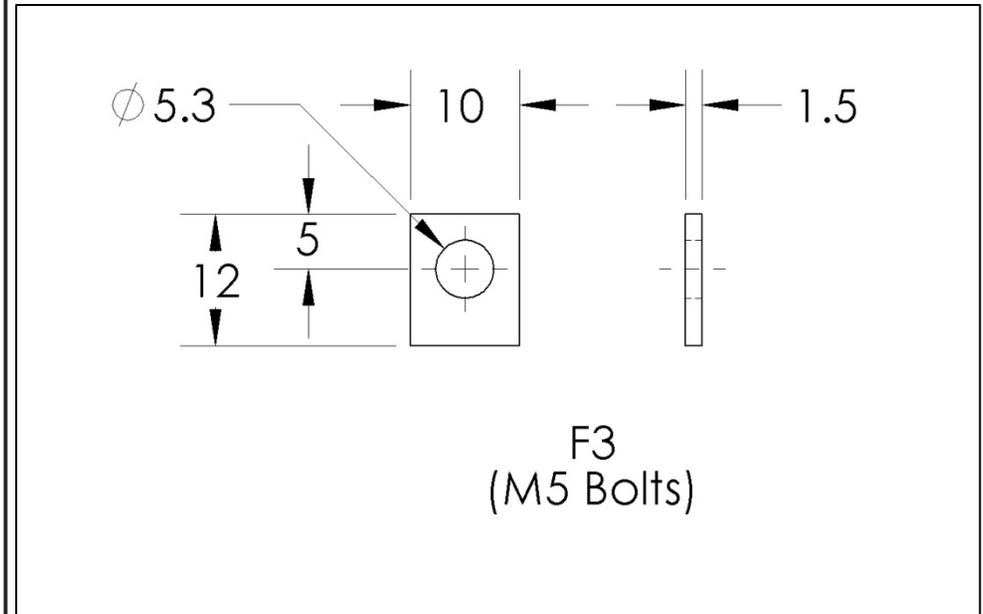


New Product Introduction

.250 Terminal



M5 Bolt



Performance Data for NP9-12

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	342	365	392	411	431	452
10	min	219	234	252	264	277	290
15	min	168	176	185	194	203	211
30	min	96	101	106	111	116	121
60	min	59.8	61.8	63.2	63.9	64.5	64.5
120	min	31.5	32.6	33.3	33.7	34.0	34.0
180	min	25.4	26.2	26.8	27.1	27.4	27.4
240	min	20.4	21.1	21.5	21.8	22.0	22.0
300	min	17.3	17.9	18.3	18.5	18.7	18.7
600	min	9.7	10.1	10.3	10.4	10.5	10.5
1200	min	5.12	5.29	5.41	5.47	5.53	5.53



Performance Data for NP9-12

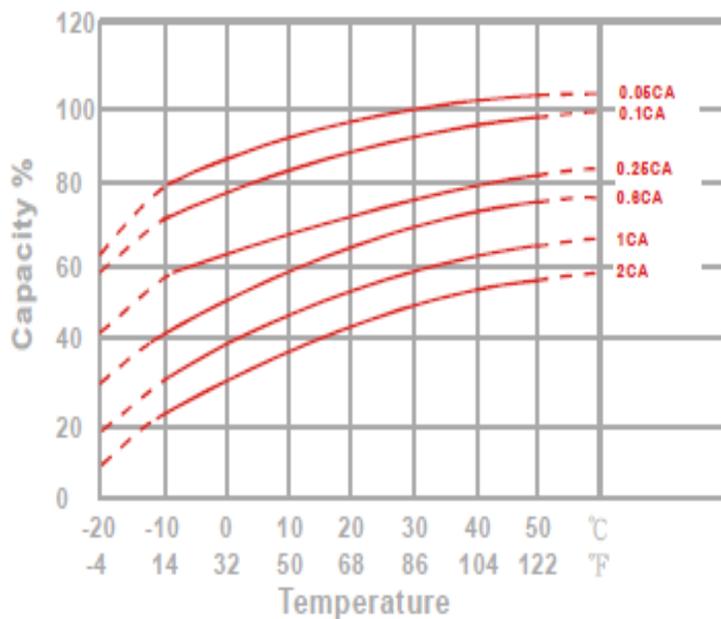
- Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	30.5	32.6	35.0	36.7	38.5	40.3
10	min	19.1	20.4	21.9	22.9	24.1	25.2
15	min	14.3	14.9	15.8	16.5	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.77	10.19
60	min	5.00	5.17	5.29	5.34	5.40	5.40
120	min	2.63	2.72	2.78	2.81	2.83	2.83
180	min	2.11	2.18	2.23	2.25	2.27	2.27
240	min	1.69	1.74	1.78	1.80	1.82	1.82
300	min	1.43	1.48	1.51	1.53	1.55	1.55
600	min	0.80	0.83	0.85	0.86	0.86	0.86
1200	min	0.42	0.44	0.45	0.45	0.45	0.45

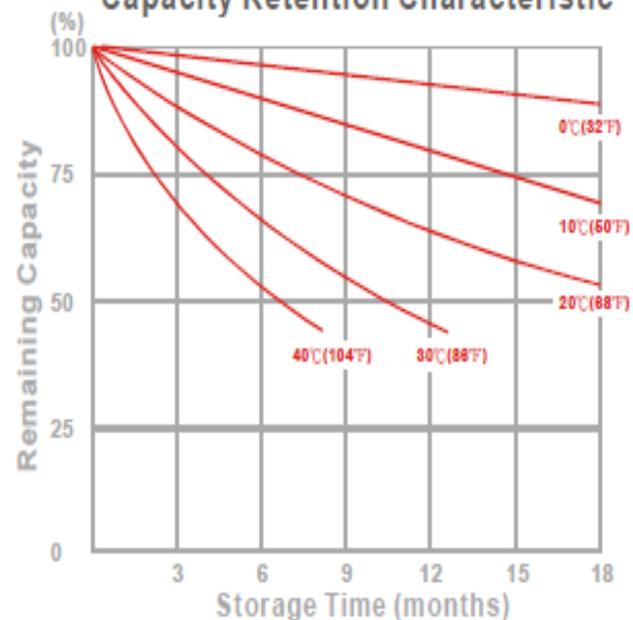


Performance Data for NP9-12

Effect of Temperature on Capacity 25°C (77°F)

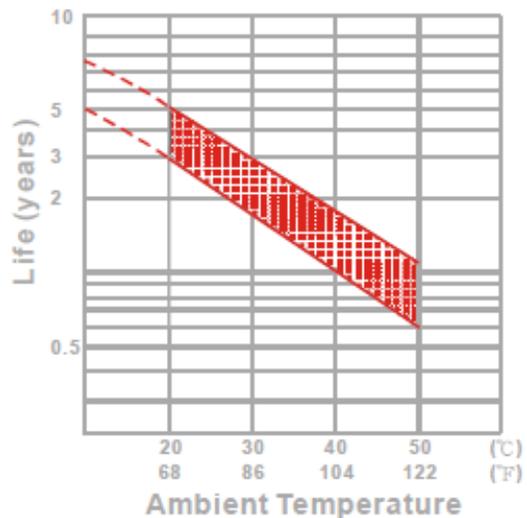


Capacity Retention Characteristic



Performance Data for NP9-12

Trickle (or float) Service Life



Cycle Service Life

