



NASH ENERGY

MADE IN INDIA, FOR THE WORLD

Wholly Owned R&D Center in Japan



NEI32140E

- ⚡ High Thermal Stability
- ⚡ High Energy Density
- ⚡ Recyclable
- ⚡ Fast Charging & Convenient



Tab-less Design



Laser Welded Bottom Terminal



Low IR: Better C-rate Handling



Enhanced Thermal Safety

FY25-26

Cyl- LFP-32140/19 Ah
Cyl- LFP-46XX/15-25 Ah
Technology Readiness-Solid State

FY26-27

Cyl- LFP-32140/22 Ah
Electrolyte Plant
Prism-105Ah,150Ah,300Ah
Solid State Technology

FY27-28

Prism-300 Ah
Mass Production of Solid State Batteries

- Capability to Supply 90% of Battery System Components, Manufactured In-house
- Suitable to Indian Climatic & Operating Conditions



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NEI32140E



BATTERY CHEMISTRY
Lithium Ferro Phosphate LiFePO4



GRAVIMETRIC ENERGY DENSITY
163 Wh/kg
(Next Gen 200 Wh/kg)



VOLUMETRIC ENERGY DENSITY
396 Wh/L
(upto 400 Wh/L)



OPERATING ENVIRONMENT
Charging: 0°C to 45°C
65% ± 25%RH
Discharging: -10°C to 45°C, 65% ± 25%RH



RATED VOLTAGE
3.20V



CHARGING CURRENT
0.5 C



DISCHARGE CURRENT
1C [upto 2C
- not for cycle life]



DISCHARGE ENDING VOLTAGE
2 V



CYCLE LIFE
2500 @0.5C/1C



CHARGE VOLTAGE
3.65V



DIMENSION
32 & 140 mm



CAPACITY
15 Ah

Technical	Specification
Nominal Capacity / Voltage	15 Ah/3.2 V
Maximum Charge Voltage	3.65 V
Discharge Cutoff Voltage	2.0 V
AC Internal Resistance	<3.0 mΩ
Standard Charge/Discharge Current	0.5 C/1C
Max. Continuous Discharge Current	2C
Max. Pulse Discharge Current	6C (10s)
Standard Charge Method	Const. current 0.5C till 3.65V then const. volt 3.65V < 0.05C
Standard discharge Method	Const. current of 0.5C till 2.0V
Operating Temperature	Charge 0° C ~ 45° C Discharge -10° C ~ 45° C
Storage Temperature	Less than 1 year, 0° C ~ 25° C Less than 3 months, -20° C ~ 35° C
Dimension	Outer Dia - 33.2± 0.2 mm Height - 140± 0.2 mm
Cell weight	294± 10 g
Cycle life	≥2500 cycles, 25± 2° C, 0.5C/1C, 80% SOH



EV 2W



EV 3W



EV 4W



Telecom



Solar



Defense



POS



Bulk Storage



Electric Wheelchair



Electrical Agri. Equipment



Medical Devices



Emergency Lighting



NASH ENERGY

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