



ND2034	14.4V, 2.5Ah, 29Wh 14.4V, 2.9Ah, 41Wh 14.4V, 3.4Ah, 49Wh
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ND2034 SPECIFICATION SUMMARY

PART NUMBERS:	ND2034ZD25 - 2.5Ah Hi Power ND2034HD29 - 2.9Ah Low Temp ND2034HD34 - 3.4Ah Hi Capacity
CHEMISTRY / CELL ARRAY:	4 Li-Ion 18650 cells / 4S1P array
CAPACITY / ENERGY:	2.5Ah / 29Wh 2.9Ah / 41Wh 3.4Ah / 49Wh
VOLTAGE:	Vmax=16.8V Vnom=14.4 V Vcutoff=9.6V
EQ. LI CONTENT:	4g
MAX CONTINUOUS DISCHARGE	ND2034ZD25 - 10A ND2034HD29 - 4A ND2034HD34 - 4A
MAX CONT DISCHARGE TO CUTOFF VOLTAGE	ND2034ZD25 - 100W ND2034HD29 - 40W ND2034HD34 - 40W
COMMUNICATIONS:	Fully SMBus rev 1.1 Compliant
DATA SYSTEM:	Fully SBDS rev 1.1 compliant
CHARGING:	"CH" range desktop charger or other SMBus Level 3 compliant charger (LT 4100 recommended).
PHYSICAL DIMENSIONS:	HEIGHT: 0.9" / 23mm LENGTH: 6.0" / 153mm WIDTH: 1.7" / 42mm WEIGHT: 230g / 8.1oz
MATING CONNECTOR:	Mating Connector List
REC. BATTERY CAVITY:	24 x 43mm cross-section. Battery centered within the cavity.
DOWNLOADS:	DATASHEETS HERE ND2034ZD25 Datasheet ND2034HD29 Datasheet ND2034HD31 Datasheet ND2034HD34 Datasheet User Notes

ND2034 DESCRIPTION

The ND2034 is designed & built in the USA by Inspired Energy, Inc. You can buy any quantity from a single battery up to many thousands, all direct & built-to-order from Inspired Energy.

With 10A discharge capability, the ND2034ZD25 is ideally suited as a "hot-swap" battery to hold up the device for a short period while the main battery is changed.

The ND2034HD29 can be used in low temperature applications to provide improved (not full) performance to -20°C. Cell capacity will be reduced, as will the ability to deliver high currents - especially current spikes. Also fuel gauge accuracy & thermal measurement will still decline with decreasing temperature. For these reasons, the only way to assure yourself that the battery performs in your particular application to your satisfaction will be to perform exhaustive low temperature application testing under all anticipated environmental and operational conditions.

The ND2034 smart Li ion battery can be customized to meet your needs. Maybe a label change to your corporate livery? Or a firmware modification to modify the smart battery data to suit your needs? Or perhaps you need the performance of the ND2034 changing. Creating custom-hybrids of standard batteries is a part of Inspired Energy's established expertise.

Inspired Energy manufactures all products to order. We sell direct to clients globally in quantities from 1 to >50,000. We accept Credit cards for small orders & samples.

If you are interested in purchasing a standard battery pack, or receiving a quotation please