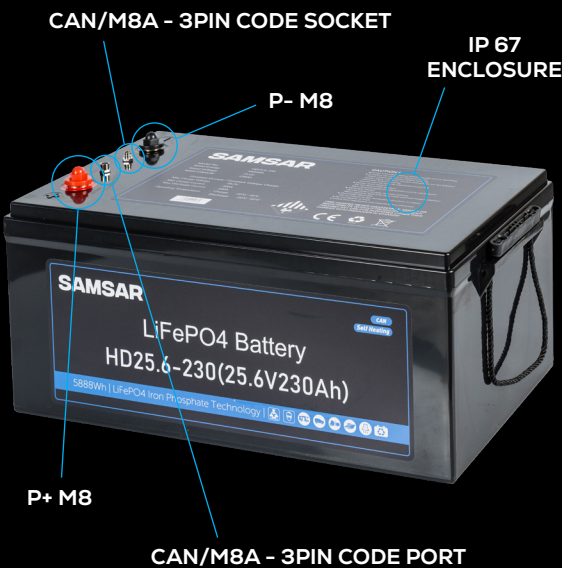


PARAMETER

VALUE

Pack Capacity	230Ah
Cycle Life @ 80% DOD	>4,000 Cycles
Nominal Voltage	25.6V
Nominal Charge Current	46 A (0.2C Standard)
Maximum Charge Current	200 A
Continuous Discharge Current	200 A
Overcurrent Protection Threshold	700 A Typical
Charging Voltage / Charge Mode	29.2V +/- 0.2 CC-CV / Cell over charge detection @ 3.75V typ.
Discharging Cut-off Voltage / Cell Protection	About 20V / cell over discharge detection @ 2.3V typ.
Internal Resistance	<=20 mOhm
Dimensions (LxWxH) (mm)	522 x 268 x 220 +/-2 mm
Weight (Kg)	37 +/- 1 Kg
Cell Type	LF230 LiFePO4 Prismatic cell. 3.2V 230Ah
BMS	8S-200A
Operating Temperature Range: Charging	0°C to +45°C
Operating Temperature Range: Discharging	-20°C to +60°C
Storage Temperature Range	0°C to +40°C
Recommended Long-Term Storage Temp	15°C to 25°C
Protections	Over Charge
	Over Discharge
	Over Current
	Short Circuit
	Temperature Protection
Connectors:	Positive / Negative M8 terminals
Communications	CAN 2.0, / Victron Integration Ports
IP Protection	IP 67
Self-heating Range: Charging	Down to -20°C
Certification	UN 38.3



SUMMARY

- Battery box dimensions:
522mm x 268mm x 220mm (LWH) +/- 2 mm
- Multi-generational build quality for enhanced lifespan and durability. Allows for upcycling at end of life.
- Active cell balancing for enhanced battery lifespan
- IP 67 enclosure protection
- Smart BMS with CAN-bus communication for Victron Integration
- Battery Pack Cell Configuration: 8S1P
- 10-year battery warranty

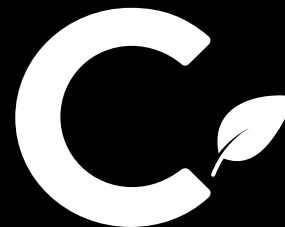
SAMSAR

BETTER FOR PEOPLE AND THE PLANET

SAMSAR IS THE ONLY LITHIUM BATTERY COMPANY THAT BUILDS BATTERIES TO BE EASILY DISASSEMBLED AND UPCYCLED AT END OF LIFE. SAVE MONEY AND HELP SUPPORT A CLEAN AND SUSTAINABLE FUTURE FOR EVERYONE.



BETTER FOR THE PLANET



CARBON NEUTRAL

- CARBON NEUTRAL
- LESS E-WASTE
- CONSERVES RARE EARTH MINERALS
- LESS LITHIUM MINING
- MORE AFFORDABLE
- CIRCULAR ECONOMY



SAMSAR IS BASED ON SAMSARA -THE CYCLE OF LIFE, DEATH, AND REBIRTH. SAMSAR BATTERIES ARE DESIGNED TO LAST 10 YEARS, THEN ENJOY A 2nd LIFE OF 5-10 YEARS, AND EVEN A 3rd LIFE OF 3-5 YEARS.

SAMSAR

NTHLIFE™

QUALITY GUARANTEED BY SAMSAR'S PROPRIETARY NthLIFE™ SOFTWARE PLATFORM

NTHLIFE™

REMOTE MONITORING

- BACKEND PLATFORM FOR GPS TRACKING, TEMPERATURE, STATE OF CHARGE MONITORING, AND REMOTELY TURNING THE BATTERY ON AND OFF VIA CELLULAR NETWORK
- MONITORS BATTERY PERFORMANCE WITH DETAILED USE HISTORY
- ALLOWS REMOTE CONTROL AND SENDS PERFORMANCE/SECURITY ALERTS
- REDUCES SERVICE CALLS AND COST OF SERVICE OVER TIME

NTHLIFE™

BATTERY PASSPORT

- TRANSPARENCY IN BATTERY PERFORMANCE WITH BATTERY MANUFACTURING HISTORY AND CERTIFICATION AVAILABLE THROUGH A DIGITAL BATTERY PASSPORT
- SCAN A QR CODE OR LOGIN TO A DASHBOARD TO SEE BATTERY HISTORY, CERTIFICATION, STATUS, AND PERFORMANCE

SAMSAR

FLEXIBLE COMMERCIAL OFFER - FINANCING & LEASING AVAILABLE

BATTERIES AVAILABLE VIA SALES BUYBACK (BUY NOW PAY LATER) OR BATTERY AS A SERVICE (LEASING), REDUCING CAPEX AND OFFERING FINANCIAL FLEXIBILITY. CONSERVE YOUR CASH AND WORKING CAPITAL WHILE HELPING ENSURE YOUR BATTERIES WILL BE FULLY RECYCLED AT END OF LIFE.



**BUY NOW
PAY LATER**

YOUR COMPANY OWNS THE BATTERIES. WORK WITH SAMSAR ON A NthLIFE™ BUYBACK PROGRAM AT END OF LIFE. BEST FOR APPLICATIONS WITH 5+ YEAR EXPECTED USE LIFE.

- 1 YEAR, 2 YEAR, AND 5 YEAR FINANCING TERMS
- AT END OF PAYMENT TERM YOU OWN THE PRODUCT
- CONSERVES CASH WHILE BUILDING BALANCE SHEET VALUE OVER TIME
- POSITIVE P & L IMPACT - PRODUCT DEPRECIATES OVER THE 10 YEAR WARRANTY TERM

BAAS
BATTERY AS A SERVICE

SAMSAR OWNS THE BATTERY – REPLACEMENT AND RECYCLING ARE BUILT INTO YOUR NthLIFE™ LEASING PLAN. BEST FOR MOBILITY, HIGH-USE, OR RAPIDLY SCALING COMPANIES.

- LEASE ENERGY STORAGE FOR THE LIFETIME OF YOUR APPLICATION
- BATTERY IS RETURNED TO SAMSAR AT END OF 1st USE LIFE TO BE RE-PURPOSED
- CONSERVES CASH AND REDUCES CAPEX
- ALLOWS FOR RAPID GROWTH – GREAT FOR RAPIDLY SCALING COMPANIES

SAMSAR

WARRANTY AND SERVICE LEVEL AGREEMENT

WARRANTY GUARANTEE

COMPREHENSIVE 10 YR WARRANTY WITH FULL REPAIR AND REPLACEMENT FOR PRODUCTS WITH DEFECTS IN DESIGN, MATERIALS, AND WORKMANSHIP.

COMMENCEMENT DATE TRIGGERED BY EVENTS BELOW:

- UPON COMMISSIONING WITH END USER
- 30 DAYS AFTER ASSEMBLY
- 3 MONTHS AFTER UNIT SHIPPED

WARRANTY EXCLUSIONS APPLICABLE FOR MISUSE, TAMPERING, IMPROPER USE OF GUIDELINES/MANUAL, PHYSICAL DAMAGE, AND OTHER APPLICABLE TERMS

SERVICE LEVEL AGREEMENT (SLA)

COMPREHENSIVE SERVICE LEVEL AGREEMENT WILL INCLUDE FOLLOWING TERMS:

- TECHNICAL SUPPORT HOTLINE
- COMPONENT REPLACEMENT WITHIN 72HRS OF RECEIPT
- DEDICATED FREIGHT AND LOGISTICS EXECUTIVE
- DEDICATED TECHNICAL SUPPORT EXECUTIVE
- 100% US BASED ENGINEERING AND TECHNICAL SUPPORT
- CUSTOMER SATISFACTION UPON REPLACEMENT

CLOUD PLATFORM WILL BE UTILIZED TO ISOLATE AND SUBMIT SERVICE REQUEST

REMOTE MONITORING AND CONTROL VIA CELLULAR NETWORK AVAILABLE AS UPGRADE

WARRANTY AND SLA HAS BEEN CUSTOMIZED TO ENSURE RELIABILITY
ACROSS YOUR FLEET THROUGHOUT THE PRODUCT LIFECYCLE

SAMSAR

NthLIFE™ CUSTOM DESIGN SERVICES

BRING SAMSAR'S QUALITY, COST ADVANTAGE, AND PERFORMANCE TO YOUR PROJECT

SAMSAR PARTNERS WITH YOU TO BUILD THE PERFECT BATTERY FOR YOUR APPLICATION. WE'LL ENGINEER YOUR BATTERY WITH A CLEAR REUSE PATH AND MULTI-GENERATIONAL BUILD QUALITY SO IT CAN BE UPCYCLED, EXTENDING THE PRODUCT LIFE AND LIFETIME VALUE.

NEW BATTERIES ARE MANUFACTURED USING UL CERTIFIED GRADE A NEW CELLS. IF DESIRED, SAMSAR CAN INCORPORATE CERTIFIED RE-PURPOSED MATERIALS FROM OUR UL CERTIFIED SUPPLY CHAIN TO REDUCE COSTS, INCREASE SUSTAINABILITY, AND ADD A COMPELLING STORY TO YOUR BATTERY AND YOUR PRODUCT.

SAMSAR'S LEAN ENGINEERING PROCESS

- CREATE A REQUIREMENTS DOCUMENT (1-2 WEEKS)
- RAPID PROTOTYPING - US ASSEMBLY (2-4 WEEKS)
- PROTOTYPE APPROVAL (2-4 WEEKS)
- MASS PRODUCTION - US ASSEMBLY (2-4 WEEKS TOOLING FOR HIGH VOLUME)

SAMSAR

POWERS A CIRCULAR ECONOMY

BATTERY 1st LIFE

10 YEARS (DEPENDENT ON USE)

MANUFACTURE NEW LITHIUM BATTERIES
DESIGNED TO LIVE MULTIPLE LIVES.

EXISTING ELECTRIC VEHICLE OR OTHER
APPLICATION(S) BATTERY

RE-PURPOSE PROCESS

TESTS AND CERTIFIES RE-PURPOSED
CONTENT FROM ELECTRIC VEHICLES AND
1st LIFE APPLICATIONS VIA UL 1974



HOUSTON, TX

PROOF OF QUALITY DATA IS SAVED TO
NthLIFE PLATFORM AND AVAILABLE VIA
QR CODE ON THE BATTERY



HOUSTON, TX

REPURPOSED CONTENT ASSEMBLED
INTO 2nd LIFE BATTERIES



DALLAS, TX

BATTERY 3rd LIFE

3-5 YEARS
(DEPENDENT ON USE)

REPEAT RE-PURPOSE
PROCESS

BATTERY 2nd LIFE

5-10 YEARS
(DEPENDENT ON USE)

SAMSAR



THE SAMSAR STORY THE EXECUTIVES



STEVE HELLMAN
MANAGING PARTNER – MOBILITY IMPACT PARTNERS
FOUNDER – SAMSAR RESOURCES

Samsar was born from a simple question – how can we best make use of the tsunami of used electric vehicle batteries? Lithium recycling has shown to recover only a small fraction of the value of a battery, and why recycle a battery that still retains 80% or more of its capacity? There must be a better way. That way is Samsar – based on the concept of Samsara, the cycle of birth, death, and rebirth. Samsar captures up to 95% of the value of a used EV battery, enabling all kinds of new applications, and helping keep batteries out of the landfill.



GUILLERMO GARCIA
CHIEF EXECUTIVE OFFICER – SAMSAR RESOURCES

The concept of repurposing lithium batteries for second life applications has so many advantages – it makes those applications more affordable; the used batteries are already in the US which means our customers pay no tariffs; and the repurposing process is much more sustainable and captures more value than recycling. What makes Samsar's process unique is that every one of our batteries is engineered to be easily disassembled, allowing for continuous reuse. The result – more affordable batteries, built in the USA duty free, tested and certified for quality.

SAMSAR



KENT O'HARA
FORMER PRESIDENT OF NISSAN ENERGY
BOARD MEMBER – SAMSAR RESOURCES

At Nissan I helped bring the Nissan Leaf, one of the most popular electric vehicles of all time to America's roads. As the president of Nissan Energy I saw how hungry the world was for sustainable energy storage and knew that in a few years there was going to be millions of EV batteries that would be headed for recycling. I knew there must be a way to match the need for power with the growing supply. Samsar is the solution – affordable – sustainable – and built here, in the USA.



SAMSAR