



Jackvolt[®]
Bridging energy gaps



PRODUCT

Catalogue

Charge Ahead with JACKVOLT:
High-Performance Lithium Battery Packs
for Your Needs

ABOUT US

Founded in 2018, Jackvolt has established itself as a pioneering Lithium Battery Pack Manufacturer, dedicated to delivering innovative, reliable, and customized energy solutions. With a passion for empowering a sustainable future, our team of experts has been tirelessly working to design, manufacture, and supply high-quality Lithium Battery Packs that cater to diverse applications. Since our inception, we have been driven by a commitment to excellence, innovation and customer satisfaction, also we continue to strive for excellence in the ever-evolving energy storage landscape.

OUR MISSION

At Jackvolt, our mission is to empower a sustainable future by designing, manufacturing, and delivering high-quality Lithium battery packs that accelerate the adoption of renewable energy and electric transportation. We are dedicated to providing reliable, efficient, and environmentally responsible energy solutions that meet the evolving needs of our customers. Through cutting-edge technology, rigorous safety standards, and a commitment to performance, we aim to drive the transition toward cleaner energy and a more sustainable future.

OUR VISION

Jackvolt is a team of highly motivated, innovative, and entrepreneurial people with the vision to provide quality products at affordable prices. We are committed to delivering our customers high-quality products manufactured in our well-equipped manufacturing facility.

LITHIUM BATTERY USAGES in Industries

ENERGY STORAGE SYSTEMS



UPS



Grid level
Storage



Solar

TRANSPORTATION



E- Loader



E-Rickshaw



Golf-Cart



E-Scooty



E- Cycle

TRACTION



Fork-Lift



Reach Truck



Stacker



Tow Truck



Sweeping
Machine

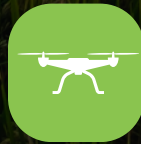
OTHERS



Military/Police



Lighting



Drone



Aviation



Home-Inverter



E-tricycle

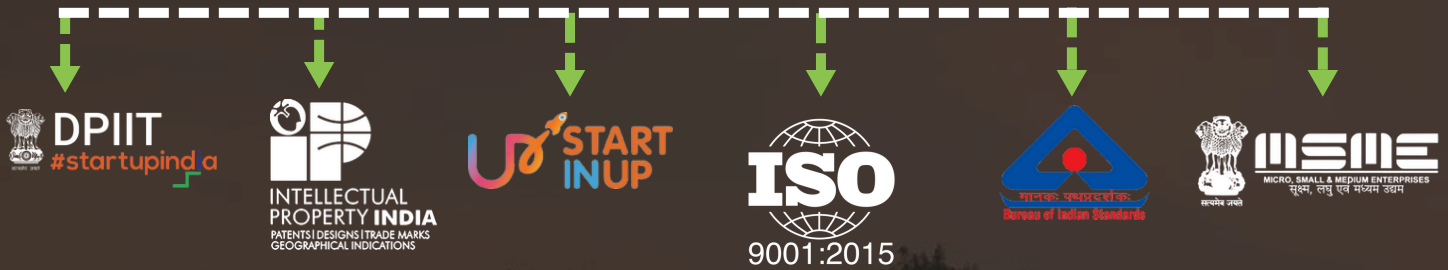


Water boat

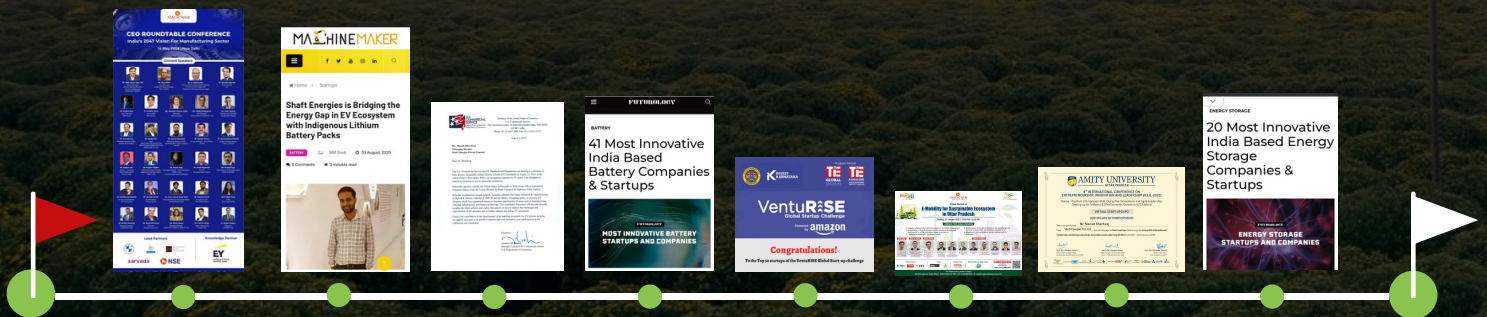


Surgical lights

CERTIFICATES

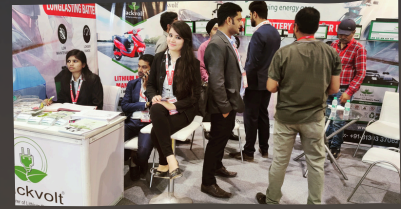


ACHIEVEMENTS



- Invited as eminent speaker by US embassy for a roundtable discussion on electric vehicles safety policies that was co-chaired by other electric vehicle manufacturers, Research institutions, Testing agencies and government bodies.
- Invited by ASSOCHAM for CEO roundtable conference on India's 2047 vision for manufacturing unit.
- Invited as an Eminent Speaker in a Virtual session on E mobility for sustainable ecosystem in Uttar Pradesh organized by ASSOCHAM.
- Recognized as one of 50 most innovative battery companies in INDIA by beststartup.in.
- Recognized as one of 41 most innovative India-based company by FUTUROLOGY.
- Recognized as 20 Most Innovative India-Based Energy Storage Companies & Startups by FUTUROLOGY.
- One of top 50 Startup of the ventuRISE Global startup challenge organized by TIE Bangalore and INVEST KARNATAKA.

EXPO Presence



MOU & ACADEMIC Partnerships

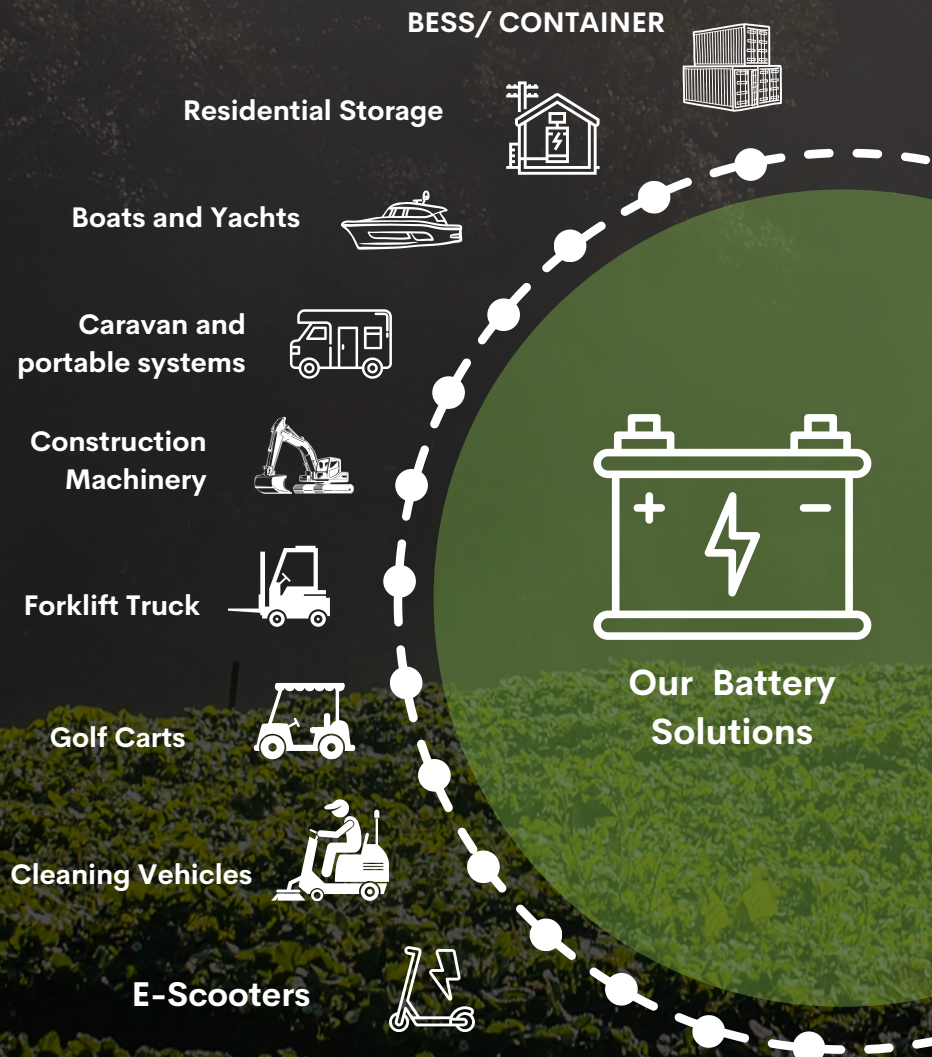


PRODUCT **Range**

Since 2018, Jackvolt has been a pioneer in lithium battery manufacturing, providing high-performance energy solutions for e-cycles, e-bikes, e-rickshaws, water boats, and renewable energy storage. Our advanced lithium battery solutions are specifically designed to power electric vehicles (EVs) with high energy density, fast charging capabilities, and extended lifespan, ensuring seamless and efficient performance. Whether you're driving electric mobility solutions or harnessing clean energy from solar and wind power systems, Jackvolt delivers reliable, safe, and long-lasting battery solutions that power the future.



ENERGY STORAGE SYSTEMS



PRODUCT Range

At Jackvolt, we offer customized lithium battery solutions tailored to different applications. Our lightweight and high-efficiency lithium-ion batteries for e-cycles and e-bikes provide smooth acceleration and long-riding range, while our heavy-duty lithium battery packs for e-rickshaws and waterboats ensure high power output and durability for extended operations. For renewable energy storage, our advanced lithium energy storage systems (ESS) enable seamless integration with solar and wind power, offering consistent and long-lasting backup solutions. Backed by cutting-edge battery technology, we continue to innovate and refine lithium battery technology, empowering businesses and individuals to embrace cleaner, smarter, and more efficient energy solutions for a sustainable future.



SOLAR LITHIUM Battery Storage

At Jackvolt, we specialize in high-performance solar lithium battery storage systems ranging from 12.8V to 1000V and capacities from 500WHr to 500KWHr. Our batteries cater to the energy storage needs of industries, factories, schools, and commercial establishments, seamlessly integrating with solar power installations to provide reliable, cost-effective, and sustainable solutions. Whether it's for back-up power, energy optimization, or peak load management, Jackvolt ensures efficient and long-lasting energy storage.

12.8V 100AH

25.6V 100AH

48V 100AH

96V 100AH

120V 100AH

240V 100AH

360V 100AH

480V 100AH

512V 100AH

624V 100AH

720V 100AH

768V 100AH

816V 100AH

864V 100AH

912V 100AH

960V 100AH



LITHIUM Inverter

In-built Battery



- Jackvolt has unveiled its new Li Power Lite series of wall-mountable solar Lithium battery inverters with a built-in Lithium battery. The all-in-one systems come in 500VA and 1000 VA ratings with operating voltages of 12.8 V & 2000 VA ratings with operating voltages of 25.6V .
- The system's built-in Lithium (LifePo4) batteries can be charged with solar as well as grid electricity.
- Since this is a hybrid version, it will auto-select solar power source first for battery charging and support load during the daytime, which reduces the power consumption for battery charging and saves the electricity cost for our users.
- This inverter also has a built-in battery management system that helps keep every cell in healthy condition and enhances the life of LFP batteries.
- Our Li Solar Inverter is wall-mountable, has zero maintenance, and is highly safe with an inbuilt Battery.
- The system supports AC loads like computers, lights, and fans. TVs, routers, and printers. It is recommended for individual homes, farmhouses, retail shops, restaurants, and Internet cafes.

Range of inverters with SMART BMS having Bluetooth and CAN communication.

JACKVOLT TECHNICAL SPECIFICATIONS- Lithium Digital Sine Wave Inverter & battery

SERIES-MODEL	JACKVOLT 300Va	JACKVOLT 500Va	JACKVOLT 1000Va	JACKVOLT 2000Va
RATING	300 VA	500 VA	1 KVA	2 KVA
WEIGHT (Kg)	13	19	24 26	40 42.5
DIMENSIONS	115*360*330	400*130*4	425*175*485	425*515*230
TECHNOLOGY	High End DSP/ Arm based design			
INPUT				
Input Phase	Single Phase 2 Wire			
Input Voltage Range				
Single Phase	220/230 VAC			
Frequency	50 HZ +/- 10%			
OUTPUT				
Output Wattage	240Watt	400Watt	800 Watt	1600 Watt
Out Put	Through Industrial Plug 16 Amp 3PIN			
Output on Mains / UPS mode				
Single Phase	220/230 VAC (Grid Dependent)			
Low Cut Off	180 V			
High Cut Off	260 V			
O/P Frequency	50 HZ +/- 0.1%			
Change over time in UPS Mode	Less than 10 msec			
Changeover time in Inverter Mode	Less than 40 msec			
Power Factor	0.8 / >0.8 (Optional)			
Battery Efficiency	>95%			
Wave Form	Pure Sine wave			
Over Load	100% Continuous ,110% for 10 min,			
DC -Batteries Parameters				
Battery Type	Inbuilt Lithium Iron Phosphate (LiFePO4) battery			
Nominal battery voltage(V)	12.8	12.8	12.8	25.6
Battery Capacity	307.2 WHr	537.6 Whr	1KWhr/1.2 KWhr	2KWhr/2.56 KWhr
Full charge battery voltage	14V	14V	14V	28
Full discharge battery voltage	11.2V	11.2V	11.2V	22.4
Max Discharge Current	20A	40A	80 Amp	
Max Charge Current	10A	20A	35 Amp	
Fan Run	On 50% Load			
Recharge Time	3-4 Hrs			
Solar Mode				
Solar panel voltage	12V	12V	12V	24V
Solar Input Voltage Max Voc	25V	25V	25V	45V
Maximum power Input	200W	300W	600W	1200W



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