



CYGNI DREAMZ

NEWSLETTER - JULY 2026

Cygni In The News

Dear Team, Partners & Stakeholders,

I am pleased to share Cygni Energy's monthly newsletter, bringing you a quick update on our journey, key developments, technology initiatives, and milestones.

One of the highlights this month is the launch of our **16 kWh high-capacity LV Energy Storage System**, expanding Cygni's residential and C&I storage portfolio with a scalable, high-performance solution designed for evolving energy needs.

Another highlight was our participation at **India Energy Storage Week (IESW) 2026**, where we showcased our **All-in-One Energy Storage System (ESS)** and engaged with industry leaders, customers, and policymakers shaping the future of clean energy.

We are also proud that **Cygni's battery storage solutions are now officially listed on the Solis Energy Storage Inverter Battery Compatibility List**. This milestone reinforces our commitment to quality, seamless integration, and trusted performance.

We remain committed to building innovative, reliable energy storage solutions and contributing meaningfully to India's clean-energy transition.

Thank you for your continued interest and support.

Warm regards,
Venkat Rajaraman
Founder & CEO
Cygni Energy Pvt. Ltd.

Cygni @ IESW 2026



Cygni Energy was proud to participate as an exhibitor at India Energy Storage Week (IESW) 2026, held from 8–10 July 2026 at Yashobhoomi, New Delhi.

At the exhibition, we showcased our **All-in-One Energy Storage System (ESS)**, which integrates Battery, Hybrid Inverter, EMS and AC and DC protection for seamless, intelligent energy management, demonstrating our commitment to delivering reliable, scalable, and innovative energy storage solutions for a sustainable future.

We also participated and shared our perspectives during the panel: **"Gigafactories or Pipe Dreams?: India's Cell Manufacturing Reality Check"**, on India's evolving battery manufacturing ecosystem, opportunities, and challenges sparked valuable discussions on strengthening the country's clean energy and energy storage landscape.

[Visit IESW 2026 Here](#)

Cygni Batteries Certified for Solis

Battery Brand	Battery Model	Battery Option	SolidCloud / LCCP Battery Option
LG Chem	LG Chem 400Ah	200Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 300Ah	150Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 200Ah	100Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 150Ah	75Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 100Ah	50Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 50Ah	25Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 25Ah	12.5Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 12.5Ah	6.25Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 6.25Ah	3.125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 3.125Ah	1.5625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 1.5625Ah	0.78125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.78125Ah	0.390625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.390625Ah	0.1953125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.1953125Ah	0.09765625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.09765625Ah	0.048828125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.048828125Ah	0.0244140625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0244140625Ah	0.01220703125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.01220703125Ah	0.006103515625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.006103515625Ah	0.0030517578125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0030517578125Ah	0.00152587890625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00152587890625Ah	0.000762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000762939453125Ah	0.0003814697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0003814697265625Ah	0.00019073486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00019073486328125Ah	0.000095367431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000095367431640625Ah	0.0000476837158203125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000476837158203125Ah	0.00002384185791015625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00002384185791015625Ah	0.000011920928955078125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000011920928955078125Ah	0.0000059604644775390625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000059604644775390625Ah	0.00000298023223876953125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000298023223876953125Ah	0.000001490116119384765625Ah x 2 (200V)	120Ah x 4 Battery x 4V
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LG Chem	LG Chem 0.0000007450580596923828125Ah	0.00000037252902984619140625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000037252902984619140625Ah	0.000000186264514923095703125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000186264514923095703125Ah	0.0000000931322574615478515625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000931322574615478515625Ah	0.00000004656612873077392578125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000004656612873077392578125Ah	0.000000023283064365386962890625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000023283064365386962890625Ah	0.0000000116415321826934814453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
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LG Chem	LG Chem 0.00000000582076609134674072265625Ah	0.000000002910383045673370361328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000002910383045673370361328125Ah	0.0000000014551915228366851806640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000014551915228366851806640625Ah	0.00000000072759576141834259033203125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000072759576141834259033203125Ah	0.000000000363797880709171295166015625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000363797880709171295166015625Ah	0.0000000001818989403545856475830078125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000001818989403545856475830078125Ah	0.00000000009094947017729282379150390625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000009094947017729282379150390625Ah	0.000000000045474735088646411895701953125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000045474735088646411895701953125Ah	0.0000000000227373675443232059478509765625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000227373675443232059478509765625Ah	0.00000000001136868377216160297392548828125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000001136868377216160297392548828125Ah	0.000000000005684341886080801486962744140625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000005684341886080801486962744140625Ah	0.0000000000028421709430404007434813720703125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000028421709430404007434813720703125Ah	0.000000000001421085471520200371740686103515625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000001421085471520200371740686103515625Ah	0.0000000000007105427357601001858703430517578125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000007105427357601001858703430517578125Ah	0.00000000000035527136788005009293517152587890625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000035527136788005009293517152587890625Ah	0.000000000000177635683940025046467585762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000177635683940025046467585762939453125Ah	0.0000000000000888178419700125232337928814697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000888178419700125232337928814697265625Ah	0.00000000000004440892098500626161689644073486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000004440892098500626161689644073486328125Ah	0.000000000000022204460492503130808448220367431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000022204460492503130808448220367431640625Ah	0.00000000000001110223024625156540422411018371572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000001110223024625156540422411018371572265625Ah	0.00000000000000555111512312578270211205509185762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000555111512312578270211205509185762939453125Ah	0.00000000000000277555756156289135105602754592864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000277555756156289135105602754592864697265625Ah	0.000000000000001387778780781445675528013772964323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000001387778780781445675528013772964323486328125Ah	0.0000000000000006938893903907228377640068864821617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000006938893903907228377640068864821617431640625Ah	0.000000000000000346944695195361418882003443241080871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000346944695195361418882003443241080871572265625Ah	0.000000000000000173472347597680709441001721620540435762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000173472347597680709441001721620540435762939453125Ah	0.000000000000000086736173798840354720500860810270217864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000086736173798840354720500860810270217864697265625Ah	0.0000000000000000433680868994201773602504304051351089323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000433680868994201773602504304051351089323486328125Ah	0.00000000000000002168404344971008868012521520256755446617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000002168404344971008868012521520256755446617431640625Ah	0.0000000000000000108420217248550443400626076012837772330871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000108420217248550443400626076012837772330871572265625Ah	0.0000000000000000054210108624275221700313038006418886165435762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000054210108624275221700313038006418886165435762939453125Ah	0.0000000000000000027105054312137610850156519003209443082717864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000027105054312137610850156519003209443082717864697265625Ah	0.00000000000000000135525271560688054250782595016047215413589323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000135525271560688054250782595016047215413589323486328125Ah	0.000000000000000000677626357803440271253912975080236077067946617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000677626357803440271253912975080236077067946617431640625Ah	0.00000000000000000033881317890172013562695648754011803853397330871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000033881317890172013562695648754011803853397330871572265625Ah	0.00000000000000000016940658945086006781347824377005901926698665435762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000016940658945086006781347824377005901926698665435762939453125Ah	0.00000000000000000008470329472543003390673912188502950963349332717864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000008470329472543003390673912188502950963349332717864697265625Ah	0.000000000000000000042351647362715016953369560942514754816746663589323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000042351647362715016953369560942514754816746663589323486328125Ah	0.0000000000000000000211758236813575084766847804712573774083733317946617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000021175823681357508476684780471257377408373317946617431640625Ah	0.00000000000000000001058791184067875423834239023562868870418665897330871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000001058791184067875423834239023562868870418665897330871572265625Ah	0.00000000000000000000529395592033937711917119511781434435209332948665435762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000000529395592033937711917119511781434435209332948665435762939453125Ah	0.00000000000000000000264697796016968855958559758907217217604666474332717864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000000264697796016968855958559758907217217604666474332717864697265625Ah	0.000000000000000000001323488980084844277977798794536086088023332371663589323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000001323488980084844277977798794536086088023332371663589323486328125Ah	0.00000000000000000000066174449004242213898889939726804304401166618582717864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000000066174449004242213898889939726804304401166618582717864697265625Ah	0.000000000000000000000330872245021211069494449698634021522005833092913589323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000000330872245021211069494449698634021522005833092913589323486328125Ah	0.0000000000000000000001654361225106055347472248493170107610029165464567896617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000000001654361225106055347472248493170107610029165464567896617431640625Ah	0.000000000000000000000082718061255302767373612424658505380501458273228394830871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000000082718061255302767373612424658505380501458273228394830871572265625Ah	0.000000000000000000000041359030627651383686806212329252690250729136614197415435762939453125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000000041359030627651383686806212329252690250729136614197415435762939453125Ah	0.000000000000000000000020679515313825691843403106164626345125364568307098707717864697265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000000020679515313825691843403106164626345125364568307098707717864697265625Ah	0.0000000000000000000000103397576569128459217015530823131725626822841535493538589323486328125Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.0000000000000000000000103397576569128459217015530823131725626822841535493538589323486328125Ah	0.00000000000000000000000516987882845642296085077654115658628134114207677467692946617431640625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.00000000000000000000000516987882845642296085077654115658628134114207677467692946617431640625Ah	0.0000000000000000000000025849394142282114804253882705782814067057103383873384647330871572265625Ah x 2 (200V)	120Ah x 4 Battery x 4V
LG Chem	LG Chem 0.000000000000000000000002584939414228211480		

Simple, modular and low voltage designs for smaller requirements up to 5kWh. Possible to use along with Solar or UPS as a lead acid replacement.

5kWh | 40kWh



UPS and Hybrid inverter compatible
Compatible with popular Inverter and UPS makes with oil and dry-separator



Safe LFP based design
100% LFP cells with international safety certifications.



Ultra-Long Life
Design of 15 years, commercial units 5000 cycles



Modular design
Simple 51.29" 300Ah module based design that allows capacity upgrades as needed

Specifications

MODE	MODE1	MODE2	MODE3	MODE4	MODE5	MODE6
Frequency	3-5	10-30	30-60	10-30	10-30	10-30
Power Supply / Module			12V / 30W			
Material / Construction	1	2	3	4	5	6
Battery Start Energy	1.5 kWh	1.3 kWh	1.5 kWh	20.5 kWh	40.95 kWh	
Return to Base	100%	200%	1,000%	8,000%		
Charging Time	10h	10h	10h	10h	10h	10h
Charging Power	30W	30W	100W	18W	30W	
Normal Voltage			12V			
Quoting Voltage			12V, 24V			
Weight (kg) / Packing Size	50	50	20	220	420	
Material (mm) / INCH	MIDWATER 13mm					
Material (mm) / INCH	Medium 32mm	Medium 32mm	Medium 32mm	Medium 32mm	Medium 32mm	Medium 32mm
Dimensions (mm) / INCH			Medium 32mm			
Cooling			Noted			
Control			Charge: PC-NO-PC, Charging: NO-PC-NO-PC			
Insulation			Blank Room			
ISO Monitoring Parameters	ISO: System Voltage, Current, Charge Voltage, Cell Temperature, Humidity					
Communication code	HMS: Code					
Material	2.5mm					
Carton Size	1000 x 1000 x 1000					

[illegible]

RESIDENTIAL WALL MOUNTED STORAGE

Compact, efficient and space-saving design for residential and small offices
Save electricity bills and easily integrate with your solar panel. Multiple
hybrid inverter models supported



 **Flexible and Compatible**
5.12kWh modular design,
support 1-4 parallel



Easy installation
No cutting, "hook" flooring
over installation



Easy operation and easy to install
Childproof components and smart DMT with CAN communication for easy remote monitoring

Maintenance free design
Long life and maintenance free design for over 10 years



Specifications

[illegible]



On **17 July 2026**, Cygni Energy participated at **AndPurpose Forums Hyderabad 2026** in the panel discussion at **T-Hub, Hyderabad**, focused on **electric vehicles, public transport, road safety, and sustainable mobility**.

The discussion explored the rapid growth of EVs and the broader need to build a truly sustainable transportation ecosystem—where **electrification is supported by cleaner energy generation and smarter infrastructure**.

[Read More](#)

Cygni - 125kW/261kWh kWh BESS Installation in Maharashtra



Location
Akola, Maharashtra

125kW/261kWh BESS Storage

SMART MONITORING

PEAK SHAVING

SCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity
261 kWh

INVERTER CONFIG
125kW PCS

No. OF MODULES
5 Modules

SYSTEM VOLTAGE
832V

BATTERY CONFIG
**261 kWh (832 V, 312 Ah) × 5
Nos.**

SYSTEM SCOPE
**Emergency Backup, Solar
Export.**

Cygni Energy successfully deployed a **125kW / 261kWh Battery Energy Storage System (BESS)** for a **Commercial & Industrial (C&I)** facility in **Akola, Maharashtra**.

Integrated with a **125kW Hybrid Inverter**, the system is designed to maximize solar energy utilization while ensuring reliable power availability. It supports **peak shaving, emergency backup, and solar power export**, helping the customer optimize energy consumption, reduce electricity costs, and improve energy resilience.

 **Projected Lifetime Savings: ₹57+ Lakh**

Empowering businesses with intelligent, reliable, and future-ready energy storage solutions.

New Product Launch: Residential Heavy-Duty Energy Storage

RESIDENTIAL HEAVY DUTY STORAGE

Compact, efficient and space saving design for residential and small offices. Save electricity bills and easily integrate with your solar panel. Multiple hybrid inverter models supported.



Flexible and Compatible
16kWh modular design, support 1-4 parallel



Easy Installation
Wall mounted/floor mounted, save installation



Safe operation and easy to install
Child proof components and smart BMS with CAN communication for easy remote monitoring



Maintenance free design
Long life and maintenance free design for operating up to 15 years



Specifications

Parameter	Specification
Battery Module	CYG-R-16
Cell Type	LFP
Nominal Voltage	51.2V
Nominal Rating of Module	51.2V, 314 Ah
Rated Energy	16.08kWh to 64.32kWh (up to 4 in parallel)
Operating Voltage Range	44.8V to 57.6V
Standard Charging Current	100A
Standard Discharging Current	100A
Max Charging Current	157A (continuous)
Max Discharging Current	157A (continuous)
Charging Temperature Range	0 deg * C to 55 deg * C
Discharging Temperature Range	- 20 deg * C to 60 deg * C
Cooling	Passive
Weight	Use +/- symbol instead of 'plus/minus'
Cycles	6000

General	
Dimensions (HWD)	750 * 485 * 235mm
Weight	120kg
Communication Ports	RS485 (* 2) CAN (x1), RS232 (x1)
Installation	Floor Standing /stacking
Operating Temperature	Change: -5~50°C; Discharge: -20~50°C; Recommended: 15~35°C
Operating Altitude	<= 2,000m

Cygni Energy has launched its new **Residential Heavy-Duty Energy Storage System**, designed for homes and small offices seeking reliable, efficient, and space-saving energy storage.

With a **16kWh modular design** supporting **1-4 units in parallel**, the system seamlessly integrates with solar and multiple hybrid inverter models, helping customers optimize energy consumption and reduce electricity bills.

Key Highlights:

- 🔋 **16kWh modular capacity** – Scalable up to 4 units in parallel (64kWh)
- ⚡ **Easy installation** – Wall- or floor-mounted design
- 🛡️ **Safe & Smart** – Child-safe components. Robust wheels for easy movement.
- ☀️ **Solar compatible** – Supports multiple hybrid inverter models
- 🔧 **Maintenance-free design** – built for up to **15 years of operation**
- 📡 **Remote monitoring** – Intelligent BMS enables easy system monitoring

[Know More](#)

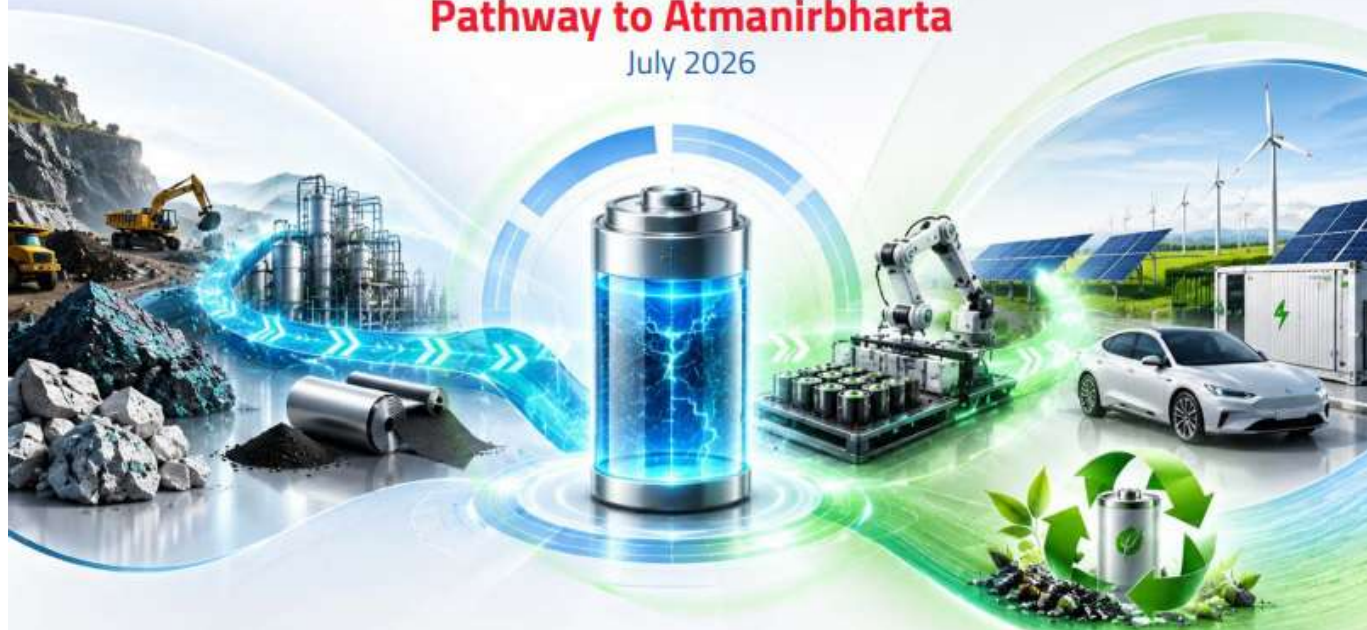
Industry News

Developing Advanced Battery Value Chain Capabilities in India: Pathway to Atmanirbharta (ESS)

Developing Advanced Battery Value Chain Capabilities in India

Pathway to Atmanirbharta

July 2026



The YES BANK report, “***Developing Advanced Battery Value Chain Capabilities in India: Pathway to Atmanirbharta.***”

The report highlights India’s strategic opportunity to build a globally competitive and self-reliant advanced battery ecosystem, covering the complete value chain—from critical minerals and battery materials to cell manufacturing, battery pack assembly, and recycling. With India’s battery demand projected to grow nearly nine-fold by 2035, the report identifies significant opportunities for investment, technology development, manufacturing, and collaboration across the battery value chain.

[Download the Full Report Here](#)

Energy Storage Systems (ESS) Overview



नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

MINISTRY OF NEW AND RENEWABLE ENERGY

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Energy Storage Systems(ESS) Overview

India has set a target to achieve 50% cumulative installed capacity from non-fossil fuel-based energy resources by 2035 based on 2005 levels. The incorporation of a significant amount of variable and intermittent Renewable Energy sources is essential for an uninterrupted power supply. The challenge with Renewable Energy sources arises due to their varying nature with respect to their availability. Energy storage can be used for storing available energy from Renewable Energy and further can be used during peak hours of the day. Energy storage can be used for various purposes such as generation in RE sources, improving grid stability, enabling energy/ peak shifting, providing ancillary support services, peak tariffs, reduction of carbon emissions, deferral of transmission and distribution capex, energy arbitrage etc.

According to the Central Electricity Authority (CEA):

- **2026-27 BESS Requirement:** 34.72 GWh
- **2031-32 Requirement:** 236.22 GWh

Total energy storage (including Pumped Hydro) is projected to reach **411 GWh** by 2031-32.

[Read More](#)

India ESS Market Size, Share, and Growth Forecast, 2026 - 2033

Preview

Segmentation

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Research Methodology



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India Energy Storage Systems Market Size and Trends Analysis

India energy storage systems market size is likely to be valued at **US\$ 3.7 billion in 2026** and is projected to reach **US\$ 21.8 billion by 2033**, growing at a **CAGR of 28.7%** between **2026 and 2033**. Anchoring trajectory is India's ambitious target to achieve 500 GW of non-fossil fuel-based power capacity by 2035, which requires rapid scaling of storage infrastructure to manage intermittency across solar and wind assets.

The Government of India's National Electricity Plan 2023 projects national energy storage capacity requirements escalating from 82.37 GWh in 2026-27 to 411.4 GWh by 2031-32, and further to 2,000 GWh by 2047, quantifying the structural demand underpinning market expansion. Sustained policy momentum, including Viability Gap Funding (VGF) for BESS, the Production-Linked Incentive (PLI) scheme for advanced chemistry cell manufacturing, and the Energy Storage Obligation (ESO) framework collectively establish a conducive investment environment that is attracting both domestic conglomerates and global technology integrators to the India energy storage systems market.

- India's BESS market is transitioning from pilot deployments to large-scale commercialization.
- Utility-scale and C&I installations are the fastest-growing segments.
- Government policy, renewable energy expansion, and Energy Storage Obligations are creating long-term demand.
- Rising battery costs and tariff pressures are becoming important commercial considerations.
- Domestic manufacturing, localization, and integrated energy management systems are expected to be major competitive differentiators over the next few years

Independent market analysts estimate:

- **2026 market value:** ~US\$3.7 billion
- **2033 market value:** ~US\$21.8 billion
- **Projected CAGR (2026–2033):** ~28.7%

[Read the Report Highlights here](#)

Upcoming Events

JMK Renewable Energy Conference & Expo 2026

• INDIA RENEWABLE ENERGY CONFERENCE & EXPO 2026

JMK Renewable Energy Conference & EXPO 2026

Hyderabad Edition

A focused, senior-level conference addressing execution risk, bankability, and demand-side realities in India's renewable energy transition.

📅 11 September 2026

📍 Novotel Hyderabad Airport

[Register Now →](#)

[View Agenda](#)

SPEAKER



Venkat Rajaraman
Founder-CEO
Cygni

Cygni Energy is pleased to participate in the **JMK Renewable Energy Conference & EXPO 2026**, taking place on **11 September 2026** at **Novotel Hyderabad Airport, Hyderabad**.

Our CEO, Mr. Venkat Rajaraman, will speak at the session “**Battery Storage – Business Models & Deployment**,” sharing insights on the evolving economics and deployment strategies for BESS.

The session will explore **Standalone BESS vs. Hybrid projects, Revenue stacking, Peak arbitrage, C&I applications, Current cost economics, and the future outlook for energy storage in India.**

[Register Here](#)

Cygni AHM

Cygni AHM is a strategic review and alignment forum that brings together Cygni's leadership and key functional teams. The meeting focuses on performance review, business strategy, market insights, operational challenges, and growth opportunities across verticals. It serves as a platform to share best practices, align goals, review targets, and drive collaboration for improved execution and sustainable growth.



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