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*Supplier, Exporter,  
Trader, Distributor,  
Solar EPC*



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## Lavancha Renewable Energy: Architecting Energy Security for 2030 and Beyond

By 2030, the global economy will be entirely electrified. As fossil fuel economics become increasingly volatile and grid tariffs surge under the weight of unprecedented demand, businesses and infrastructure projects face a critical mandate: transition to decentralized, autonomous power generation or risk operational vulnerability.

Established in 2013 in the technological hub of Bengaluru, **Lavancha Renewable Energy Private Limited** is engineering the solution to this global energy trilemma. We deliver bankable, high-performance clean energy ecosystems designed to insulate our clients from the rising costs of traditional power grids.

Under the leadership of Seema Patil, our team leverages over 14 years of specialized industry expertise to transform renewable energy from a sustainability initiative into a core strategy for long-term economic resilience.

### The 2030-Ready Technology Portfolio

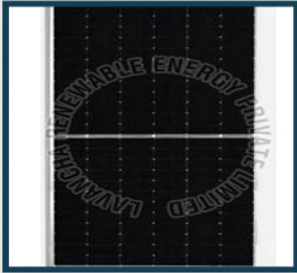
To meet the gigawatt-scale demands of the next decade, energy systems must be hyper-efficient, intelligent, and scalable. We deliver advanced portfolios engineered for maximum yield and grid independence:

- **Ultra-High Efficiency Generation:** Advanced N-Type TOPCon and Bi-facial solar modules designed to maximize energy density per square meter—a critical advantage as land and rooftop real estate becomes premium.
- **Grid-Forming Storage (BESS):** High-capacity Lithium Battery Energy Storage Systems that act as the new baseload. Our storage solutions capture peak generation to deploy during high-tariff evening hours, eliminating reliance on volatile fossil-fuel backups.
- **Intelligent Power Conversion:** Next-generation hybrid, on-grid, and micro-inverter technologies that seamlessly synchronize multiple power sources (solar, wind, grid, and storage) in real-time.
- **Smart Infrastructure:** AI-monitored Energy Management Systems (EMS) and commercial EV charging architectures that dynamically shift loads to optimize power consumption and grid stability.

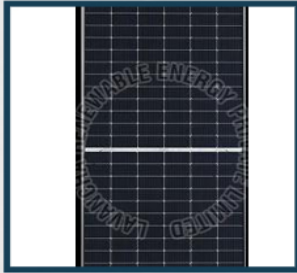
### The 2030-Ready Technology Portfolio

We recognize that for industrial, commercial, and utility-scale buyers, the ultimate goal is risk mitigation. We do more than supply tier-one technology; we build **Energy Autonomy**.

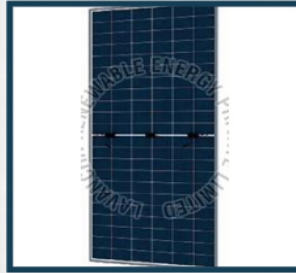
- **Economic Shielding:** By integrating intelligent smart-metering with robust BESS, we empower enterprises to aggressively reduce OPEX, eliminate peak-demand charges, and permanently hedge against the escalating costs of fossil-based grid electricity.



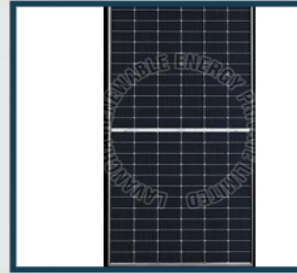
**250W N Type TOPCon Solar Panel**



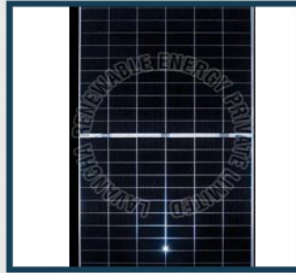
**410W Vikram Prexos Black Monocrystalline Solar Panel**



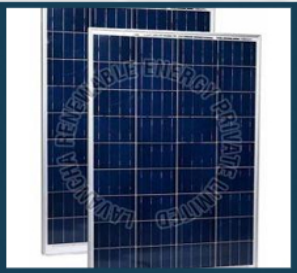
**450W Renewsys Deserv Extreme TOPCon Bifacial Solar Panel**



**450W Vikram Prexos Mono Perc Solar Panel**



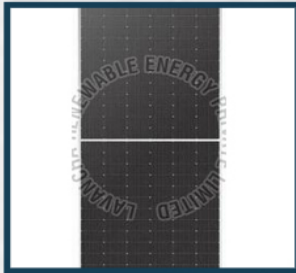
**465W Vikram Somera Mono Perc Solar Panel**



**500W 23% High Efficiency Solar Panel**



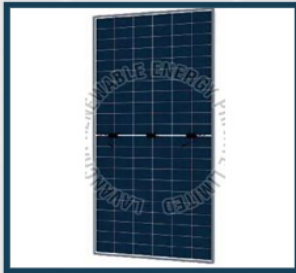
**500W Emmvee Quartz Transparent Back Sheet Solar Panel**



**500W Non Dcr IEC Certified Solar Panel**



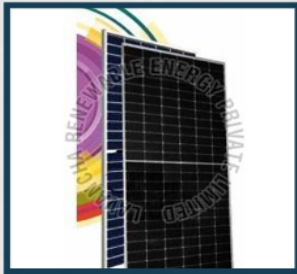
**510W Premier Energies Non Dcr Bifacial Solar Panel**



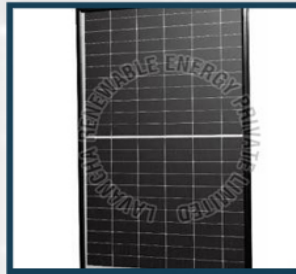
**515W Renewsys Deserv Extreme G12R Bifacial Solar Panel**



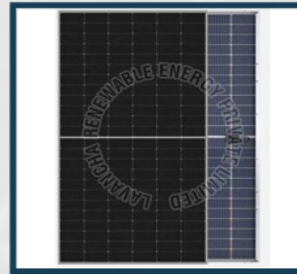
**540W Emmvee Graphite Black Mono Perc Solar Panel**



**550W Adani Dcr TOPCon Monocrystalline Solar Panel**



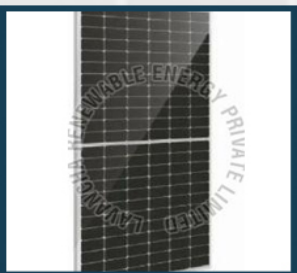
**550W Adani Elan Shine Gen II Half Cut Bifacial Solar Panel**



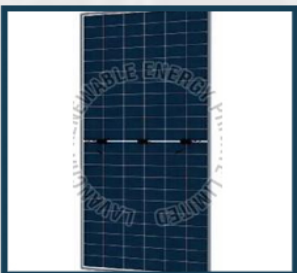
**550W Emmvee Advanced High Efficiency Solar Panel**



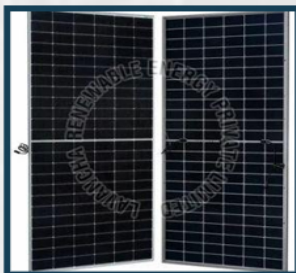
**550W Emmvee Sapphire Glass to Glass Bifacial Solar Panel**



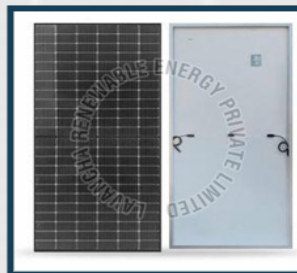
**550W Gautam Mono Perc Bifacial Solar Panel**



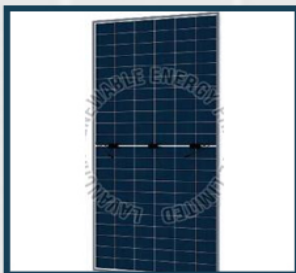
**550W Goldi Transparent Backsheet Bifacial Solar Panel**



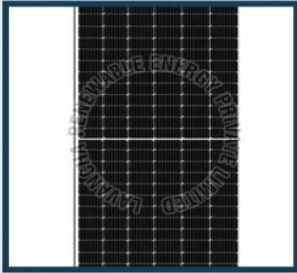
**550W Waaree Dual Glass Mono Perc Bifacial Solar Panel**



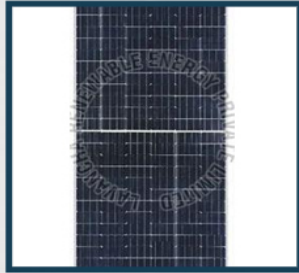
**560W Premier Energies Dcr Bifacial Solar Panel**



**570W Goldi GS10 N Type TOPCon Bifacial Solar Panel**



**580W Dcr  
TOPCon Bifacial  
Solar Panel**



**580W Ina  
Platinum Dcr N  
Type Monofacial  
Solar Panel**



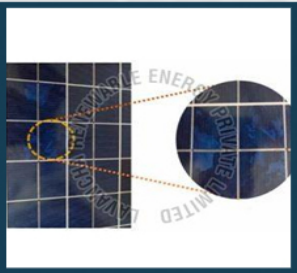
**581W Emmvee  
Titanium Black  
Monofacial Solar  
Panel**



**585W Trina  
TOPCon Non Dcr  
Solar Panel**



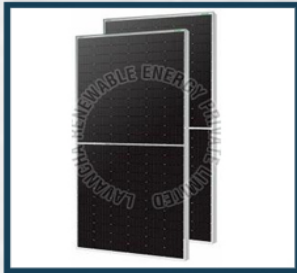
**585W Trina  
TOPCon Non Dcr  
Solar Panel**



**590W Loom  
TOPCon Bifacial  
Low Degradation  
Solar Panel**



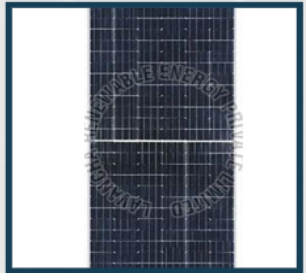
**590W Loom  
TOPCon Bifacial  
Low Degradation  
Solar Panel**



**590W Waaree  
144 Cell N Type  
Solar Panel**



**595W Solex Trans  
Dual TOPCon  
Solar Panel**



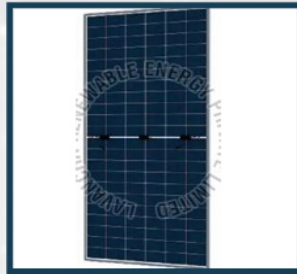
**600W Ina  
Platinum N Type  
TOPCon Monofacial  
Solar Panel**



**605W Emmvee  
Glass to Glass N  
Type Bifacial  
Solar Panel**



**605W Emmvee  
Glass to Glass N  
Type Bifacial  
Solar Panel**



**610W Renewsys  
Deserv Extreme  
M10R Bifacial  
Solar Panel**



**615W Vikram  
Paradea Dcr  
Bifacial Solar  
Panel**



**620W Axitec  
Axbiperfect Gq  
TS Bifacial Solar  
Panel**



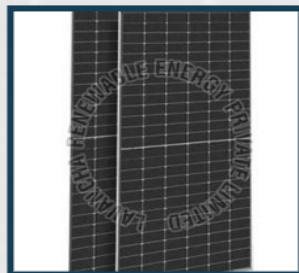
**625W Solex Tapi  
R N Type TOPCon  
Solar Panel**



**635W Emmvee Ti-  
tanium Duo G12R  
Bifacial Solar  
Panel**



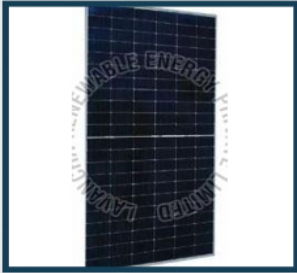
**635W Saatvik Tej  
Plus N Type  
Bifacial Solar  
Panel**



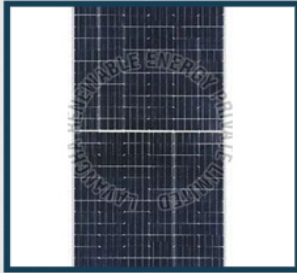
**635W Saatvik Tej  
Plus N Type  
Bifacial Solar  
Panel**



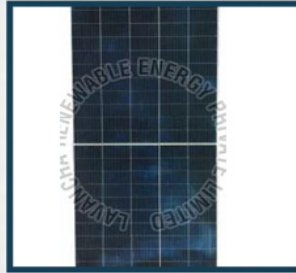
**640W Adani  
TOPCon Dual  
Glass Bifacial  
Solar Panel**



640W G12R  
TOPCon Dual  
Glass Bifacial  
Solar Panel



640W Gautam  
G12R N Type  
TOPCon Bifacial  
Solar Panel



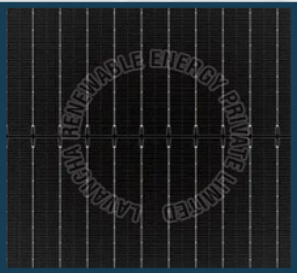
640W Mnre  
Approved High  
Efficiency Solar  
Panel



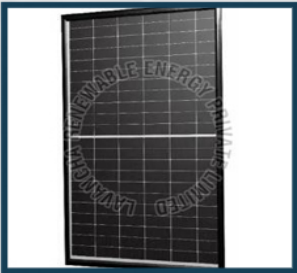
640W Vikram  
Multi Crystalline  
Solar Panel



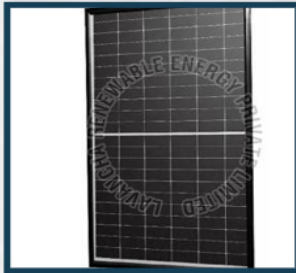
645W Waaree N  
Type Bifacial  
Solar Panel



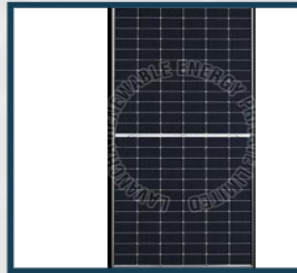
650W Adani Elan  
Pride Half Cut  
Bifacial Solar  
Panel



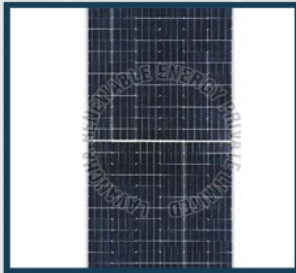
650W Adani Elan  
Series Mono Perc  
Bifacial Solar  
Panel



650W Adani Non  
Dcr P Type Perc  
Bifacial Solar  
Panel



680W Vikram  
Paradea Dcr  
Monofacial Solar  
Panel



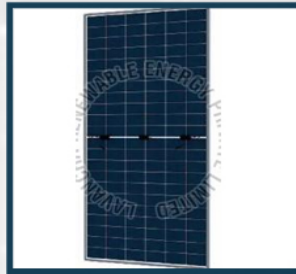
725W Mnre  
Approved High  
Power Solar  
Panel



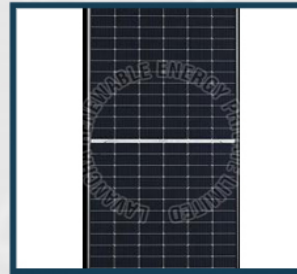
700W High  
Efficiency Solar  
Panel



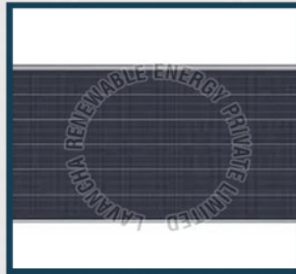
720W Emmvee Ti-  
tanium Duo G12  
Bifacial Solar  
Panel



725W Mnre  
Approved High  
Power Solar  
Panel



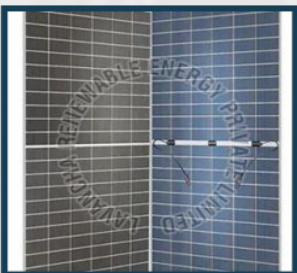
725W N Type  
Bifacial Half Cell  
Solar Panel



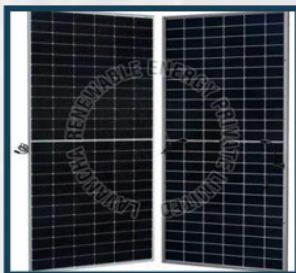
725W TCL Mg  
Series TOPCon  
Bifacial Solar  
Panel



730W Credence  
Quasar N  
TOPCon Bifacial  
Solar Panel



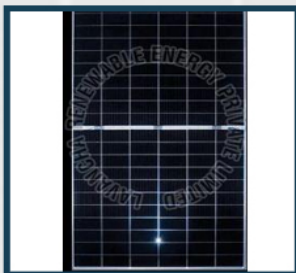
730W Loom Shark  
Series N Type  
Bifacial Solar  
Panel



730Wp Bifacial  
TOPCon Half Cut  
Mono Solar Panel



740W Trina Vertex  
N Bifacial Dual  
Glass Solar Panel



Vikram Solar  
(DCR) 340-370W  
Somera Monofacial  
120 Half-Cells  
Efficiency 19.95%



10KW Deye Three Phase 48V Hybrid Solar Inverter



10KW Invergy Commercial Three Phase Hybrid Solar Inverter



10KW Vsole Advanced Hybrid Solar Inverter for Single Phase



12KW Deye Sun Series Three Phase Mppt Hybrid Solar Inverter



12KW Invergy Mppt Low Voltage Three Phase Hybrid Inverter



15KW Deye Low Voltage Three Phase Solar Hybrid Inverter



20KW Deye 48V Three Phase Hybrid Solar Inverter



3.6KW Deye Sun Series Single Phase Hybrid Solar Inverter



30KW Deye Industrial Three Phase Hybrid Solar Inverter



32KW Invergy High Voltage Three Phase Hybrid Solar Inverter



3KW Deye Sun Series 48V Hybrid Power Inverter



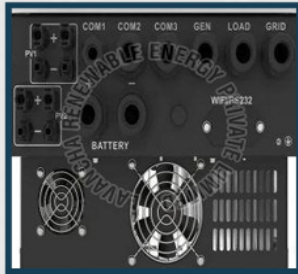
3KW Vsole 24V Mppt Hybrid Solar Inverter



40KW Deye Sun Series Three Phase Hybrid Power Inverter



50KW Vsole Industrial High Voltage Hybrid Solar Inverter



5KW Deye Sun Series 48V Hybrid Solar Inverter



60KW Deye High Voltage Three Phase Hybrid Solar Inverter



6KW Deye Sun Series Mppt Hybrid Solar Inverter



6KW Invergy Mppt Three Phase Low Voltage Hybrid Inverter



70KW Deye Three Phase High Voltage Mppt Solar Inverter



8KW Vsole Single Phase Mppt Hybrid Power Inverter



**75KW Vsole High Voltage Three Phase Solar Hybrid Inverter**



**8KW Invergy Smart Three Phase Hybrid Solar Inverter**



**8kw V Sole Commercial Three Phase Hybrid Solar Inverter**



**8kw V Sole Commercial Three Phase Hybrid Solar Inverter**



**12KW Invergy Mppt Low Voltage Three Phase Hybrid Inverter**



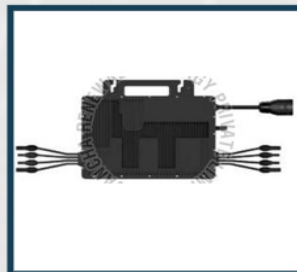
**8KW Deye 48V Single Phase Hybrid Solar Inverter**



**1KW GEN3 600W-1000W 2-in-1 Micro Solar Inverter**



**Enphase 5.5kW Micro Solar Inverter**



**Enphase High Capacity Micro Solar Inverter**



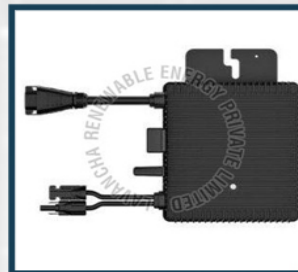
**GEN3 2400W-3300W 6-in-1 Micro Solar Inverter**



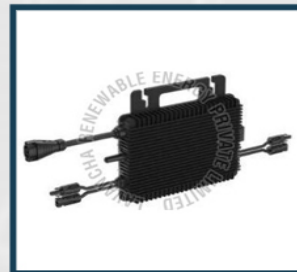
**Hoymiles Hiflow PRO HMS-300-1WB 350W Single Phase Micro Solar Inverter**



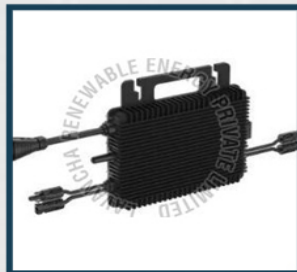
**Hoymiles Hiflow PRO HMS-350-1WB 350W Single Phase Micro Solar Inverter**



**Hoymiles Hiflow PRO Single Phase Micro Solar Inverter**



**Hoymiles HMS-1600-4WB 1600W Micro Solar Inverter**



**Hoymiles HMS-2000-4WB 2000W Micro Solar Inverter**



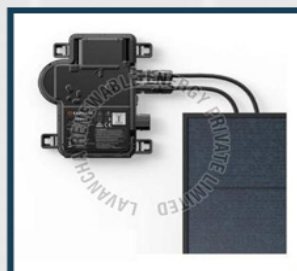
**Hoymiles HMS-1600-4WB 1600W Micro Solar Inverter**



**IQ7+ Enphase 290W Single Phase Micro Solar Inverter**



**IQ7A Enphase 349W Single Phase Micro Solar Inverter**



**IQ8HC Enphase 380W Single Phase Micro Solar Inverter**



**Jio Sparq Q2000-4102 2000W Micro Solar Inverter**



**Solaredge SE10K**  
10kW Three Phase On Grid Solar Inverter



**Solinteg OGS-2.5K** Single Phase On Grid Inverter



**Sungrow SG10RT-P2** 10kW On Grid String Inverter



**Sungrow SG200HX-US** 200kW Three Phase String Inverter



**Sungrow SG20RT-P2** 20kW String Inverter



**Sungrow SG350HX-US** 352kW Three Phase String Inverter



**Sungrow SG6.0RT-P2** 6kW Three Phase On Grid String Inverter



**T Sun** 1600W-2250W 4-in-1 Micro Solar Inverter



**Enphase High Capacity** Micro Solar Inverter



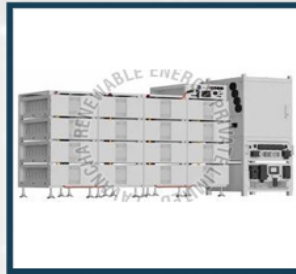
**TSUN** 300W-500W 1-in-1 GEN3 Micro Solar Inverter



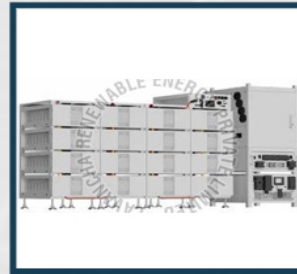
**TSUN** 3680W-6000W Titan Series Single Phase Micro Solar Inverter



**TSUN 800W** Single Phase Micro Solar Inverter



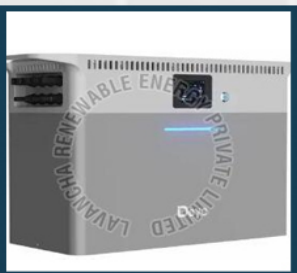
**Deye SUN-100K-PCS01** HP3 C&I Energy Storage System



**Deye SUN-125K-PCS01** HP3 C&I Energy Storage System



**Deye SUN-BK100-2.0K** WH-EU-AM2 10kWh Hybrid Energy Storage System



**Deye SUN-BK160** 1600W Hybrid Energy Storage System



**Deye SUN-BK160-2.56** KWH-EU-AM4-18 L 1600W Hybrid Energy Storage System



**Deye SUN-BK250** 2500W Hybrid Energy Storage System



**Deye SUN-BK250** 2500W Hybrid Energy Storage System



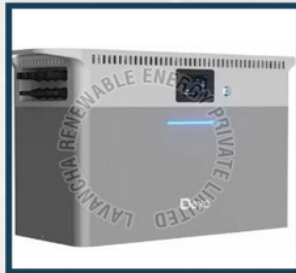
**Deye SUN-BK60-2.0KW** H-EU-AM2 10kWh Hybrid Energy Storage System



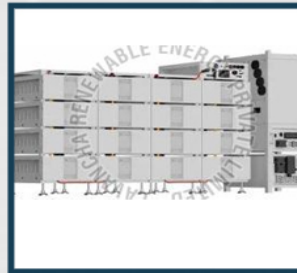
**Deye SUN-BK80**  
800W Hybrid  
Energy Storage  
System



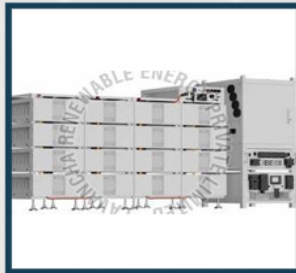
**Deye**  
SUN-BK200-2.56  
KWH-EU-AM4-18  
L 2000W Hybrid  
Energy Storage



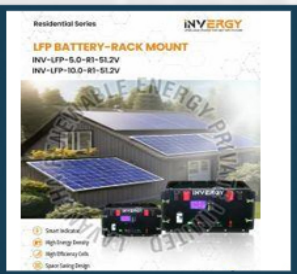
**Deye**  
SUN-BK80-2.56K  
WH-EU-AM4-18L  
800W Hybrid  
Energy Storage



**Deye**  
SUN-MPPT-L01-E  
U-AM8 C&Amp;l  
Energy Storage  
System



**Deye**  
SUN-ST500L  
C&Amp;l Energy  
Storage System



**Invergy**  
INV-LFP-10.0-R1  
51.2V 200Ah Lfp  
Battery



**Nunam Ness**  
Series 5 51.2V  
100Ah Lithium  
Battery



**10kW Solar Wind**  
Hybrid Power  
System



**11kW Solar Wind**  
Hybrid Power  
System



**12kW Floating**  
Solar Wind Hybrid  
Power System



**13kW Solar Wind**  
Hybrid Power  
System



**14kW Solar Wind**  
Hybrid Power  
System



**5kW Solar Wind**  
Hybrid Power  
System



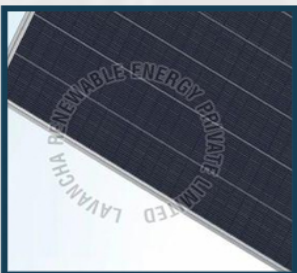
**6kW Solar Wind**  
Hybrid Power  
System



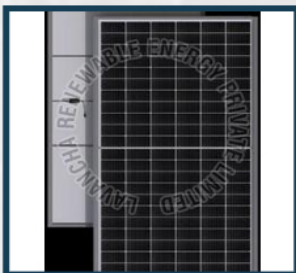
**7kW Solar Wind**  
Hybrid Power  
System



**9kW Solar Wind**  
Hybrid Power  
System



**730W Sunpower**  
TCL G12 Topcon  
Bifacial Solar  
Panel



**730Wp Bifacial**  
TOPCon Half Cut  
Mono Solar Panel



**Lavancha 8kW**  
Solar Wind Hybrid  
EV Charging  
System



**Solinteg Smart**  
Energy Meter

# CONTACT

US



## Contact Person

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## Web Address

www.lavanchaenergy.in



## Web Page

[www.exportersindia.com/lavancha-renewable-energy-private-limited](http://www.exportersindia.com/lavancha-renewable-energy-private-limited)

[www.indianyellowpages.com/bangalore/lavancha-renewable-energy-private-limited-cbd-bangalore-3917381](http://www.indianyellowpages.com/bangalore/lavancha-renewable-energy-private-limited-cbd-bangalore-3917381)

