



IMBANI ENERGY



POWER YOUR INDUSTRY



Surface Motive Power



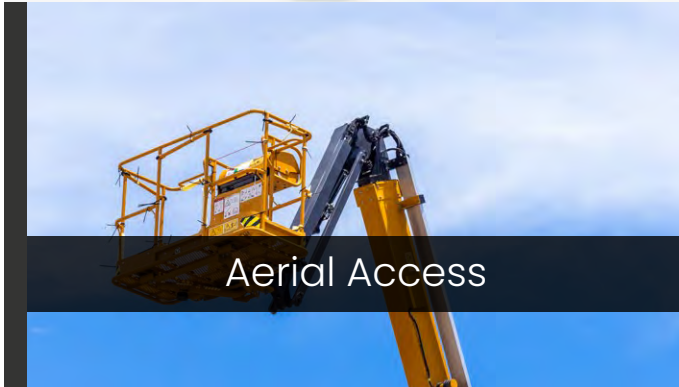
Mining



Golf Cart



Mining Cap



Aerial Access



Renewable Energy



Leisure



Railway



Cleaning



Standby





Imbani Energy

Structure

To truly unleash the untapped potential of South Africa, we need to ensure a more productive environment for the manufacturing, supply and distribution of goods. With our energy challenges, the only way to implement that growth is through stored energy solutions on an industrial scale.

As a leading distributor of SMP power, Imbani Energy is in a prime position to supply the expertise, service and products to transform energy challenges into energy opportunities that unlock our potential to thrive.

IMBANI ENERGY IS A LEVEL 1 BBBEE COMPANY COMMITTED TO RAISING SHAREHOLDER VALUE IN THE INDUSTRIAL AND ENERGY SECTORS.



Imbani Energy, is a leading energy storage solutions company, was established as a key subsidiary within the Imbani Group structure that will add value to the energy sector while growing the industrial Energy footprint of the company.

As part of Imbani Group Imbani Energy's storage and industrial portfolio, Imbani Energy benefits from the group's extensive research, development, and innovation resources. This strategic alignment allows Imbani Energy to leverage global expertise while maintaining its focus on delivering cutting-edge Surface Motive Power solutions to industries worldwide.

By integrating into Imbani Group's wider network, Imbani Energy contributes to the group's vision of providing sustainable and high-performance energy systems across multiple sectors.



HISTORY AND EXPERTISE IN SMP



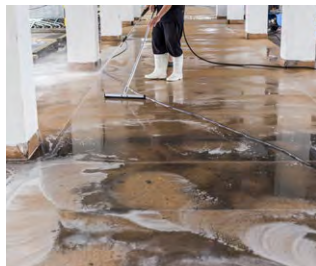
THE POWER TO OUTPERFORM

Imbani Energy has acquired key staff in the industry and at the forefront of Surface Motive Power solutions with decades of experience, establishing itself as a trusted leader in the industry. Our deep-rooted expertise stems from years of innovation and dedication to providing reliable power systems for material handling and industrial applications. From forklifts to heavy-duty equipment and all the way to floor scrubbers, golf carts and more.

Imbani Energy advanced technology ensures optimal performance, longevity, and reduced downtime. With a keen understanding of industry needs, we have developed a range of high-performance batteries designed to meet the rigorous demands of Surface Motive Power.

// Our commitment to quality, combined with a global footprint and local service, makes Imbani Energy the first call for Surface Motive Power.

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APPLICATIONS



MATERIAL HANDLING EQUIPMENT

- Electric Counterbalance Forklifts
- Reach Truck Forklift
- Pallet Jacks
- Order Pickers
- Scissor Lifts
- Aerial Access-Boom Lifts
- Tugs and Tow Motors



CLEANING

- Scrubbers
- Sweepers



TRANSPORTATION

- Mobility Scooters



LEISURE

- Golf Carts
- Camping
- Boating



AFTER-SALES SERVICE

At Imbani Energy, our commitment to your business doesn't end with the sale. Our Industrial Battery After-Sales Service is geared to optimising your operations long after installation. From site servicing to service level agreements, we are the go-to partner to keep your operation going.

Dedicated branches Support Hubs: We have service hubs in most major metropolitan areas and have the capability to send out support to more remote locations countrywide.

Comprehensive Service: Our engineers will conduct a thorough analysis of your facilities to design and implement a more complete and bespoke solution for your operation.

Battery Bay Installation: Have your battery bays professionally installed and all charging equipment tested, managed and maintained for reliability and safety.

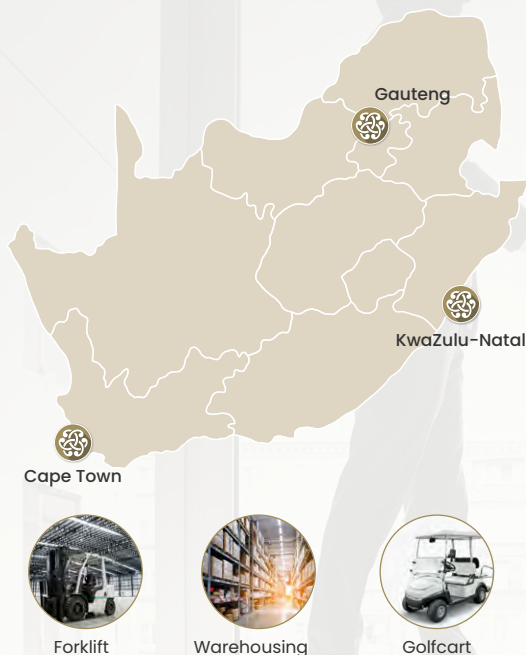
Rapid Response: With local expertise and a national footprint, we respond quickly to any service request, ensuring minimal disruption to your operations.

Expert Maintenance & Repairs: We have a highly qualified and skilled team of technicians to provide routine maintenance as well as fast, efficient repairs to keep your batteries performing at their best. Service level agreements are available.

Performance Monitoring: Our advanced monitoring services track the health of your batteries, optimising performance and preventing costly downtime.

Flexible Service Plans: Choose from customised service packages that fit your needs, including regular check-ups, emergency support, and extended warranties.

FACTORIES AND LOCATIONS



DEDICATED NATIONAL BRANCHES

Imbani Energy has a far-reaching industrial network for delivery, maintenance and installation of all Surface Motive Products and services. So no matter where your operation centres are, you'll have all the technical support you need and more, close by.

Gauteng - Pretoria Head Office

A: 308 Mundt St. Waltloo

T: +2711 487 5400 | **E:** info@imbani-energy.com

Cape Town

A: 23 Pinotage Road, Saxenburg Park, Kuilsrivier

KwaZulu-Natal

A: Unit 1 Yarborough Road, Mkondeni, Pietermaritzburg



Imbani Energy TRAINING

At Imbani Energy, our commitment to your business doesn't end with the sale. Our Industrial Battery After-Sales Service is geared to optimising your operations long after installation. From site servicing to service level agreements, we are the go-to partner to keep your operation going.

A yellow hard hat with safety goggles resting on a pair of blue and black work gloves.

SAFETY TRAINING

It is essential that team members are proficient at assessing and mitigating potential risks and are able to meet all occupational health safety and environmental precautions. The safety training also includes safe operating of machinery, safe transportation of dangerous goods, safe storage of hazardous goods and materials, and safe waste management that meets environmental standards.

A hand holding a glowing blue sphere with the word 'TRAINING' on it, surrounded by various technical icons like a head with a gear, a monitor, a lightbulb, and a document.

TECHNICAL TRAINING

Our technical training forms the foundation for all, which means every operator is given a thorough grounding in accurate installations to charging recommendations, troubleshooting, performance optimisation and storage recommendations.

A yellow and black industrial forklift in a warehouse setting.

PRODUCT INFORMATION

Each training participant will have up-to-date knowledge on the wide range of Imbani Energy stored energy solutions including their applications, advantages and disadvantages. Feel free to ask them for a recommendation based on your unique needs.



SURFACE MOTIVE POWER ELECTRIC VEHICLES

As a leading supplier, our products are a fit for most of the major manufacturers of SMP equipment.
Enquire with sales to ensure your machines are equipped with the right battery.

MATERIAL HANDLING EQUIPMENT

Electric
Counterbalance
forklift



Reach Truck Forklift



Pallet Stacker



Order Pickers



TRANSPORTATION

Tugs



Tow Motor



CLEANING

Sweepers



Scrubbers



Aerial Access
Scissor Lift



Aerial Access
Boom Lift



LEISURE

Golf Carts



LITHIUM-ION FORKLIFT

The lithium-ion range batteries provide a higher energy density, which translates to longer run times and more efficient performance, allowing forklifts to operate for extended periods without the need for frequent recharging. Lithium-ion batteries have a longer lifespan compared to traditional lead-acid batteries, which means a lower total cost of ownership.

With rapid charging capabilities, increase productivity. Their maintenance-free design eliminates the need for watering and reduces the risk of acid spills, ensuring a safer working environment.

LITHIUM-ION BATTERIES RANGE



SUPPORTED BRANDS



BENEFITS OF LITHIUM-ION RANGE



Lowest total cost of ownership extended lifespan.



Opportunity/ rapid charging capabilities.



Can reduce electricity consumption by approximately 20-30%, depending on application and operating conditions.



No requirement for battery changes or specialised battery bays.



Zero Maintenance Required.



No harmful gas emissions.



It may entail a higher initial purchase cost.

WHY SWITCH TO LITHIUM?



MINIMAL MAINTENANCE

No water filling or equilisation required.



NO EMISSIONS

Minimal ventilation or special charging areas required.



INCREASED SAFETY

No risk of acid spillage or hydrogen gas emissions during normal operation.



NO CHANGEOVER

Limited battery changeover or cooldown required.



Imbani Energy – 24V RANGE



- 24V Electric Forklift Truck Battery
- LiFePO4 Battery Cells
- Built-in Safe BMS (Battery Management System)
- Nominal Capacity 100Ah - 1000Ah+
- Cycle Life: 3500+ (T's and C's apply)
- Warranty: 5 Years (T's and C's apply)
- Case Material: Commercial Grade Steel
- Maintenance Free
- Fast Charge
- Zero Emissions - No gassing
- CAN/RS485 Communication
- Support multi-shift operation

24V Lithium FORKLIFT BATTERIES Series						
Rated voltage	25.76V	25.76V	25.76V	25.76V	25.76V	25.76V
Capacity	210Ah	230Ah	280Ah	460Ah	525Ah	630Ah
Energy	5.41kWh	5.92 kWh	7,21 kWh	11,84 kWh	13,52 kWh	16,3 kWh

Imbani Energy – 48V RANGE



- 48V Electric Forklift Truck Battery
- LiFePO4 Battery Cells
- Built-in Safe BMS (Battery Management System)
- Nominal Capacity: 1 00Ah - 1000Ah+
- Cycle Life: 3500+ (T's and C's apply)
- Warranty: 5 Years (T's and C's apply)
- Case Material: Commercial Grade Steel
- Maintenance Free
- Fast Charge
- Zero Emissions - No gassing
- CAN/RS485 Communication
- Support multi-shift operation

48V Lithium FORKLIFT BATTERIES Series							
Rated voltage	51.52V	51.52V	51.52V	51.52V	51.52V	51.52V	51.52V
Capacity	230Ah	280Ah	420Ah	460Ah	525Ah	690Ah	840Ah
Energy	11,85 kWh	14,42kWh	21.64 kWh	23,70kWh	27,04 kWh	35,55 kWh	43,28 kWh



Imbani Energy – 80V RANGE



- 80V Electric Forklift Truck Battery
- LiFePO4 Battery Cells
- Built-in Safe BMS (Battery Management System)
- Nominal Capacity: 100Ah - 1000Ah+
- Cycle Life: 3500+ (T's and C's apply)
- Warranty: 5 Years (T's and C's apply)
- Case Material: Commercial Grade Steel
- Maintenance Free
- Fast Charge
- Zero Emissions - No gassing
- CAN/RS485 Communication
- Support multi-shift operation

80V Lithium FORKLIFT BATTERIES Series			
Rated voltage	83.72V	83.72V	83.72V
Capacity	460A	560Ah	690Ah
Energy	38,51 kWh	46,88 kWh	57,77 kWh

Imbani Energy – LITHIUM-ION CHARGERS



- Range: 26V, 36V, 48V and 80V Chargers
- Nominal Capacity: 100Ah, 150Ah, 200Ah, 250Ah
- Wall or floor mounted



Imbani Energy – GOLF CART & LEISURE



- LiFePO4 Battery Cells
- Built-in Safe BMS (Battery Management System)
- Nominal Capacity: 105Ah ~ 210Ah+
- Cycle Life: 3500+ (T's and C's apply)
- Warranty: 5 Years (T's and C's apply)
- Case Material: Commercial Grade Steel
- Maintenance Free
- Fast Charge
- Zero Emissions - No gassing
- CAN/RS485 Communication
- Support multi-shift operation
- Bluetooth app - remote monitoring

ITEM DESCRIPTION	LEISURE CLEANING	KW	VOLT	AMP
L12V105APC	12V 105AH PLASTIC CASE	1.34	12.8	105
L12V280APC	12V 280AH PLASTIC CASE	3.58	12.8	280
12V100A REVOV	12V 100AH PLASTIC CASE	1.28	12.8	100
12V200A REVOV	12V 200AH PLASTIC CASE	2.56	12.8	200
24V100A REVOV	24V 100AH PLASTIC CASE	2.56	25.6	100
L24V105AMC	24V 105AH METAL CASE	2.69	25.6	105
L24V210AMC	24V 210AH METAL CASE	5.38	25.6	210
GOLF CART				
GCB36V105A	GOLF CART 36V 105AH	4.03	38.4	105
GCB36V210A	GOLF CART 36V 210AH	8.06	38.4	210
GCB48V105A	GOLF CART 48V 105AH	5.38	51.2	105
GCB48V210A	GOLF CART 48V 210AH	10.75	51.2	210
CHARGERS				
LCC12V30A	LITHIUM CHARGER 12V 30A		12	30
LCC24V30A	LITHIUM CHARGER 24V 30A		24	30
LGCC36V20A	LITHIUM CHARGER 36V 20A		36	20
LGCC48V20A	LITHIUM CHARGER 48V 20A		48	20



Imbani Energy – LEAD-ACID BATTERIES



Lead-acid batteries remain one of the most cost-effective battery solutions compared with newer technologies. Their robust design ensures durability and resilience in demanding environments and with proper maintenance, they can deliver consistent performance over time.

Additionally, lead-acid batteries are widely available and highly recyclable, making them a practical and sustainable battery solution.

LEAD-ACID BATTERIES RANGE

BRITISH STANDARD RANGE							
Product Name	BATTERY MODEL	AH	WEIGHT	LENGTH	WIDTH	HEIGHT	HEIGHT 2
IBILF11R	5 PZB 275	275	17.8	93	158	401	428
IBILF13R	6 PZB 330	330	20.9	109	158	401	428
IBILF15R	7 PZB 385	385	24	125	158	401	428
IBILF17R	8 PZB 440	440	27.2	141	158	401	428
IBILF19R	9 PZB 495	495	30.3	157	158	401	428
IBILF21R	10 PZB 550	550	33.3	173	158	401	428
IBTEF09R	4 PZB 420	420	26.1	77	158	686	713
IBTEF11R	5 PZB 525	525	31.7	93	158	686	713
IBTEF13R	6 PZB 630	630	37.3	109	158	686	713
IBTEF15R	7 PZB 735	735	43	141	158	686	713
IBTEF17R	8 PZB 840	840	48.7	125	158	686	713
IBTHF05R	2 PZB 150	150	10.9	45	514	514	541
IBTHF07R	3 PZB 225	225	14.9	61	514	514	541
IBTHF09R	4 PZB 300	300	19	77	514	514	541
IBTHF11R	5 PZB 375	375	23.1	93	514	514	541
IBTHF13R	6 PZB 450	450	27.3	109	514	514	541
IBTHF15R	7 PZB 525	525	31.4	125	514	514	541
IBTHF17R	8 PZB 600	600	35.6	141	514	514	541
IBTHF19R	9 PZB 675	675	39.5	157	514	514	541
IBTHF21R	10 PZB 750	750	43.7	173	514	514	541
IBTLF09R	4 PZB 260	260	16.8	77	158	457	484
IBTLF15R	7 PZB 455	455	27.7	141	158	457	484
IBTLF17R	8 PZB 520	520	31.4	125	158	457	484
IBTLF19R	9 PZB 585	585	35	157	158	457	484
IBTLF21R	10 PZB 650	650	38.5	173	158	457	484



DIN RANGE							
PRODUCT NAME	BATTERY MODEL	AH	WEIGHT	LENGTH	WIDTH	HEIGHT	HEIGHT 2
ILWEF05R	2 PZS 230 FC Imported cell	230	47	198	548	575	14,20
ILWEF07R	PZS 345 FC Imported cell	345	65	198	548	575	20,30
ILWEF09R	4 PZS 460 FC Imported cell	460	83	198	548	575	26,40
ILWEF11R	5 PZS 575 FC Imported cell	575	101	198	548	575	32,40
ILWEF13R	6 PZS 690 FC Imported cell	690	119	198	548	575	39,00
IWAF09R	4 PZS 240 FC Imported cells	240	83	198	343	370	15,40
IWBF07R	3 PZS 240 FC Imported cell	240	65	198	408	435	14,20
IWBF09R	4 PZS 320 FC Imported cells	320	83	198	408	435	18,40
IWBF11R	5 PZS 400 FC Imported cell	400	101	198	408	435	22,60
IWBF13R	6 PZS 480 FC Imported cell	480	119	198	408	435	26,70
IWBF15R	7 PZS 560 FC Imported cell	560	137	198	408	435	31,30
IWCF15R	7 PZS 630 FC Imported cell	630	137	198	475	505	35,00
IWCF17R	8 PZS 720 FC Imported cell	720	155	198	475	505	42,30
IWEF05R	2 PZS 250 FC Imported cell	250	47	198	568	595	15,00
IWEF07R	3 PZS 375 FC Imported cell	375	65	198	568	595	21,20
IWEF09R	4 PZS 500 FC Imported cell	500	83	198	568	595	27,40
IWEF11R	5 PZS 625 FC Imported cell	625	101	198	568	595	33,90
IWEF13R	6 PZS 750 FC Imported cell	750	119	198	568	595	40,30
IWFF07R	3 PZS 465 FC Imported cell	465	65	198	713	740	26,70
IWFF09R	4 PZS 620 FC Imported cell	620	83	198	713	740	34,60
IWFF11R	5 PZS 775 FC Imported cell	775	101	198	713	740	42,60
IWFF13R	6 PZS 930 FC Imported cell	930	119	198	713	740	50,50
IWFF17R	8 PZS 1240 FC Imported cell	1240	155	198	713	740	66,40

BATTERY BAYS



GOLF & UTILITY VEHICLES



POWER TO GET THE JOB DONE RIGHT



BUDGET



SAFETY



RUN TIME

LITHIUM-ION (Only available on import volumes)	TROJAN AES (Only available on import volumes)	FLOODED LEAD-ACID
 • Longest range • Maintenance free • Fast charging • 8-year warranty	 • Up to 3x life of AGM • Perform in harsh conditions • Maintenance free • 3-year warranty	 • Low cost • Reliable performance • 99% recyclable • 18-months warranty

	FLA	AES (Only upon request to import)	LITHIUM-ION (Import upon request)
Typical battery	T875	T875-AES	TR-GC2-48-G
Maintenance	Required	Free	Free
Cycle life	Good	Better	Best
Weight	High	High	Low
Runtime	Good	Better	Best
Initial cost	Low	Medium	High
TCO	High	Medium-Low	Low



DATA SHEET – MOTIVE T-105



6 VOLT	
MODEL	T-105 with Bayonet Cap
VOLTAGE	6
MATERIAL	Polypropylene
DIMENSIONS	Inches (mm)
BATTERY	Deep-Cycle Flooded/Wet Lead-Acid Battery
COLOUR	Maroon

PHYSICAL SPECIFICATIONS			
BCI	GC2		
MODEL NAME	T-105		
VOLTAGE	6		
CELL(S)	3		
TERMINAL TYPE	1, 2, 3, 4		
DIMENSIONS INCHES (mm)	LENGTH	WIDTH	HEIGHT
	10.30 (262)	7.13(181)	11.15(283)
WEIGHT LBS. (kg)		62 (28)	

ELECTRICAL SPECIFICATIONS		
CRANKING PERFORMANCE	C.C.A.0 @0° F (-18°C)	-
	C.A.E @32° F (0°C)	-
CAPACITY MINUTES	@25 Amps	447
	@75Amps	115
CAPACITY AMP-HOURS (Ah)	5-Hr	185
	10-Hr	207
	20-Hr	225
ENERGY (kWh)	100-Hr	250
INTERNAL RESISTANCE(mΩ)		
SHORT CIRCUIT CURRENT (amps)		



WITH T2 TECHNOLOGY



DATA SHEET – MOTIVE T-875



8 VOLT	
MODEL	T-875 with Bayonet Cap
VOLTAGE	8
MATERIAL	Polypropylene
DIMENSIONS	Inches (mm)
BATTERY	Deep-Cycle Flooded/Wet Lead-Acid Battery
COLOUR	Maroon

PHYSICAL SPECIFICATIONS			
BCI	GC8		
MODEL NAME	T-875		
VOLTAGE	8		
CELL(S)	4		
TERMINAL TYPE	1, 2,		
DIMENSIONS INCHES (mm)	LENGTH	WIDTH	HEIGHT
	10.27 (261)	7.10 (180)	11.14 (283)
WEIGHT LBS. (kg)		63 (29)	

ELECTRICAL SPECIFICATIONS		
CRANKING PERFORMANCE	C.CA.0 @0° F (-18°C)	-
	C.A.E @32° F (0°C)	-
CAPACITY MINUTES	@25 Amps	295
	@65Amps	117
CAPACITY AMP-HOURS (Ah)	5-Hr	145
	10-Hr	155
	20-Hr	170
ENERGY (kWh)	100-Hr	189
INTERNAL RESISTANCE(mO)		
SHORT CIRCUIT CURRENT (amps)		



WITH T2 TECHNOLOGY



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Imbani
POWER YOUR INDUSTRY

DATA SHEET – MOTIVE T-1275



12 VOLT	
MODEL	T-1275 with Master Vent
VOLTAGE	12
MATERIAL	Polypropylene
DIMENSIONS	Inches (mm)
BATTERY	Deep-Cycle Flooded/Wet Lead-Acid Battery
COLOUR	Maroon

PHYSICAL SPECIFICATIONS			
BCI	GC12		
MODEL NAME	T-875		
VOLTAGE	12		
CELL(S)	6		
TERMINAL TYPE	1, 2		
DIMENSIONS INCHES (mm)	LENGTH	WIDTH	HEIGHT
	12.96 (329)	7.13 (181)	11.13 (283)
WEIGHT LBS. (kg)		85 (39)	

ELECTRICAL SPECIFICATIONS		
CRANKING PERFORMANCE	C.CA.0 @0° F (-18°C)	-
	C.A.E @32° F (0°C)	-
CAPACITY MINUTES	@25 Amps	290
	@56Amps	102
CAPACITY AMP-HOURS (Ah)	5-Hr	120
	10-Hr	134
	20-Hr	150
	100-Hr	166
ENERGY (kWh)	100-Hr	1.99
INTERNAL RESISTANCE(mΩ)		
SHORT CIRCUIT CURRENT (amps)		



WITH T2 TECHNOLOGY





IMBANI
ENERGY

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