

अधिक जानकारी के लिए सम्पर्क करें

1800-102-6205

Use JMDAB For Future Energy



BATTERY & SOLAR PANEL













POWER EXPERT SOLUTION

Quality | Reliability | Performance

STRONG POWER QUALITY



ABOUT US

JMDAB is a brand of **JMDAB ALLIED BATTERY PVT. LTD**. Specializing in consulting and aggregating solar Pv systems, Lithium-Ion Battery, Lead acid battery with an experience of over²⁰⁰mw of hands on installations in India we work relentlessly to deliver sustainable, innovative and cost effective solutions with the best industry practices at competitive prices. We work with team of architects, engineers and electricians to provide our customers highly engineered turnkey solar solutions for kw to mw scale projects.

With a diverse portfolio of services ranging from captive solar power farms, off-grid and grid-tied solar energy systems suited for both domestic and commercial use. We provide solutions for residential, commercial industries, schools, hospitals and government buildings.

With a keen focus on continuously striving to maintain optimum service delivery and quality while maintaining the best safety standards, we are, iso 9001:2015 and ISO, IAF, CE, ROHS GMP, MSME certified.





JMDAB has steadfastly worked with its partners to overcome any technical issues encountered. For the plant layout, a complete set of highly automated manufacturing architecture has been developed. In addition, JMDAB also uses statistical engineering, equipment control, and a variety of management systems to achieve lean production. While ensuring the consistency of product quality, we also strive to shorten the yield learning curve and new product mass production cycle, reduce production costs, and improve customer profitability.









INTEGRATED Battery Manufacturing Facilities















Automated SMT Lines

Molding Shopfloor Reflow and Wave Soldering

Advance Battery
Manufacturing Fcilitiesz

Clean Room PCB Assembly

inverter Assembly



E RICKSHAW BATTERIES

Presenting high performance & heavy duty e-rickshaw batteries specially designed for long range. Loaded with meticulously designed plates. JMDAB E-rickshaw batteries are the perfect choice for any Type of E-rickshaw.

JMDAB | E-POWER | E-Rickshaw | ULTRA FAST





FEATURES















TUBULAR PLATE (Ensure battery life stays strong)



TECHNICAL SPECIFICATIONS

E-Rickshaw

S.No	Product	Model No	Capacity (@ 27°c) C20 Rating	Warranty (Months)	weight(In Kg)	Backup (400 watt)
1	e-POWER ULTRA FAST	JER14012	140	12 Months	38	145 - 150 Mnt.
2	e-POWER ULTRA FAST	JER11009	120	06 Months	35	130 - 135 Mnt.















INVERTER BATTERY

POWER LIFE+ TALL | TUBULAR | BATTERY

160 AH - 300 AH



MORE POWER MORE LIFE







(Operates Consistently Even at High Temperatures)



FEATURES



RECOVERY



PRESSURE DIE CASTING



(Ensure battery life stays strong)

APPLICATIONS



Domestic Inverter/ **UPS Systems**



Emergency Lighting



Petrol Pumps



Solar and Wind Power Storage



Elevator **Back Ups**



Hotels, Banks Offices

TECHNICAL SPECIFICATIONS

INVERTER BATTERY

Sr No.	Battery Type	Capacity	Warranty	Rating	weight(In Kg)	Backup
01.	JIB360160	160	60*	C20	56.5	165 Mnt.
02.	JIB360180	180	60*	C20	62	200 Mnt.
03.	JIB360200	200	60*	C20	63.5	245 Mnt.
04.	JIB360220	220	60*	C20	64.5	265 Mnt.
05.	JIB360260	260	60*	C20	68	345 Mnt.
06.	JIB360300	300	60*	C20	73	405 Mnt.















SOLAR BATTERIES

Our **JMDAB** batteries are designed keeping heavy duty Solar applications at the core. Remote conditions where there is limited or no grid supply require a battery to Recharge fast and operate at high discharge rate; **JMDAB** batteries outperform all other batteries in this regard.

JMDAB | TURBO MAX SOLAR







FEATURES

MORE POWER
MORE LIFE
(Capicity@C10)





(Operates Consistently Even at High Temperatures)



DEEP DISCHARG RECOVERY



PRESSURE
DIE CASTING
(Ensure battery life

stays strong)

TUBULAR Plate

APPLICATIONS



SOLAR BATTERY

Domestic Inverter/ UPS Systems



Emergency Lighting



Petrol Pumps



Solar and Wind Power Storage



Elevator Back Ups



Hotels, Banks Offices

TECHNICAL SPECIFICATIONS

SOLAR BATTERY

S.No	Model No	Capacity (@ 27°c) C10 Rating	Warranty (Months)	weight(In Kg)	Backup
1	JSB24040	40ah	24	23	40 Mnt.
2	JSB24050	50ah	24	24.5	45 Mnt.
3	JSB24075	75ah	24	30	50 Mnt.
4	JSB240100	100ah	24	33	70 Mnt.
5	JSB360160	160ah	60*	60	210 Mnt.
6	JSB360220	220ah	60*	65	315 Mnt.
7	JSB360260	260ah	60*	70	345 Mnt.

















70Ah-110Ah



FEATURES







(Operates Consistently Even at High Temperatures)







TECHNICAL SPECIFICATIONS

AUTOMATIVE

S.No	Model No	Capacity (@ 27℃) C20 Rating	Warranty (Months)	Weight (In kg)	Backup (400 watt)
1	JAB18070	70AH	18 MONTH	18	60 Mnt.
2	JAB18080	80AH	18 MONTH	21.5	75 Mnt.
3	JAB18090	90AH	18 MONTH	28.5	90 Mnt.
4	JAB180100	100AH	18 MONTH	29.5	105 Mnt.
5	JAB180110	110AH	18 MONTH	30.5	115 Mnt.















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JMDAB | TURBO MAX SOLAR

TV Max-30 / TV Max-60



MORE POWER MORE LIFE (Capicity@C10)





(Operates Consistently Even at High Temperatures)



FEATURES

DEEP DISCHARGE RECOVERY







APPLICATIONS



Domestic Inverter/ UPS Systems



Emergency Lighting



Petrol Pumps



Solar and Wind Power Storage



Elevator Back Ups



Hotels, Banks Offices

TECHNICAL SPECIFICATIONS

SOLAR BATTERY

S.No	Model No	Capacity (@ 27°c) C10 Rating	Warranty (Months)	weight(In Kg)	Backup
1	TV Max - 30	20AH	12	8	
2	TV Max - 60	30AH	12	13.5	















INTEGRATED Solar Panel Manufacturing Facilities

BATTERIES















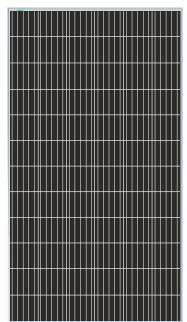
Automated SMT Lines

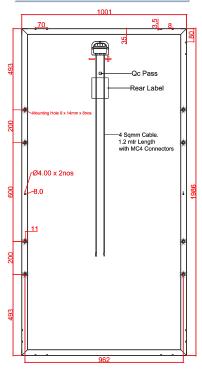
Molding Shopfloor Reflow and Wave Soldering

| Advance Battery | Manufacturing Fcilitiesz Clean Room PCB Assembly

inverter Assembly







Warranty and certifications

Product warranty**

10 Years of linear power warranty 25 years of Performance warranty

Approvals and certificates:

BIS / IS 14286, IEC 61730-1 (Type Approval) IEC 61730-2 (Type Approval), IEC 61701 (Salt Mist) IEC 62804 (PID Test), IEC CB 61215 (Performance)













Technical Parameters - 72 Full Cells

Electrical Parameters STC at 1000W/m² at 25°C

Model	Voc	Vmax	lmax	Isc	Pmax		FF	
400	49.48	41.68	9.6	10.12	400	20.12	79.99	Module Dimensions (mm)
390	48.8	41	9.52	10	390	19.6	79.92	1986 x 1001 x 35/40
380	48.6	40.7	9.34	9.85	380	19.1	79.38	1300 x 1001 x 33/40

Electrical Parameters NOCT at 800W/m² at 45°C

Model	Voc	Vmax	lmax	Isc	Pmax	
400	45.58	37.17	7.73	8.19	287.18	
390	44.95	36.56	7.66	8.10	280.14	
380	44.77	36.30	7.52	7.97	272.83	

Cell Size 158.75 x 158.75

Design Parameters								
NOCT (°C)	45±2							
Temp. Coeff of Pmax (%/°C)	-0.39							
Temp. Coeff of Isc (%/°C)	+0.06							
Temp. Coeff of Voc (%/°C)	-0.30							
Max. System Voltage (VDC)	1500							
Design Load (Pa)	2400							
Max. Operational Temperature (°C)	+85°C							
Max. Series Fuse Rating	15A							
By-pass Diode Rating	20A							
Fire Class Rating	Class C							

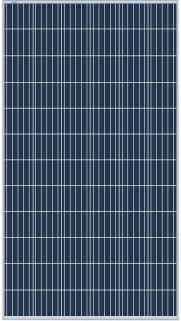
Mechanical data

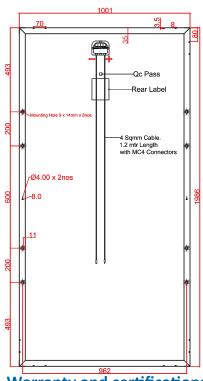
1986 mm
1001 mm
35 mm/40 mm
22 Kg
IP67 / IP68
1000 mm length cable, Mc4 8 Amphenol compatible connectors
Class A (Safety class II)
High transmittance ARC glass
72 Mono-PERC solar cells: 5 bus bars
Superior dielectric strength & PID resisant EVA
Tri layer backsheet
Anodized aluminium frame with twin wall profile
5400 pa-front : 2400 pa-back
15 A

Currant / Voltage Dependence on Irradiance and Module temperature. These I.V Curves Indicate the Effect of temperature and Lite Intensity on Module Performance.

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Warranty and certifications

Product warranty**

10 years of product warranty 25 years of Performance warranty

Approvals and certificates:

BIS / IS 14286, IEC 61730-1 (Type Approval) IEC 61730-2 (Type Approval), IEC 61701 (Salt Mist) IEC 62804 (PID Test), IEC CB 61215 (Performance)

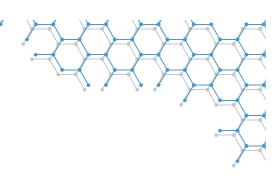








Atlantic Series DCR Poly-crystalline 72 Cells | 330 - 340 Wp



Tech	Technical Parameters - 72 Full Cells										
Electrical Parameters STC at 1000W/m² at 25°C											
Model	Voc	Vmax	lmax	Isc	Pmax	Eff	FF				
340	46.04	37.67	9.04	9.57	340	17.48	77.11	Madula Dimanajana (mm)			
335	45.90	37.64	8.91	9.43	335	17.21	77.40	Module Dimensions (mm) 1986 x 1001 x 35/40			
330	45.70	37.49	8.81	8.81	330	17.10	77.40				

Electrical Parameters NOCT at 800W/m² at 45°C

Model	Voc	Vmax	lmax	Isc	Pmax
340	42.17	33.59	7.28	7.70	244.41
335	42.01	33.57	7.17	7.59	240.70
330	41.83	33.43	7.09	7.91	237.05

Cell Size 158.75 x 158.75

Design Parameters									
NOCT (°C)	45±2								
Temp. Coeff of Pmax (%/°C)	-0.40								
Temp. Coeff of Isc (%/°C)	+0.03								
Temp. Coeff of Voc (%/°C)	-0.33								
Max. System Voltage (VDC)	1500								
Design Load (Pa)	2400								
Max. Operational Temperature (°C)	+85°C								
Max. Series Fuse Rating	20A								
By-pass Diode Rating	20A								
Fire Class Rating	Class C								

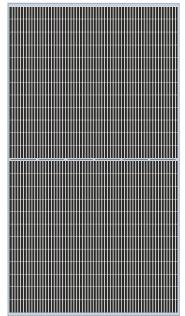
Mechanical data

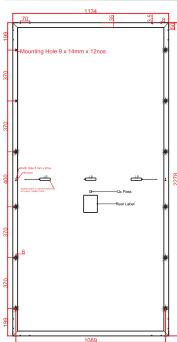
Length	1986 mm
Width	1001 mm
Height	35 mm/40 mm
Weight	22 Kg.
Junction box	IP 67 / IP 68
Cable and Connectors	1000 mm length cable, MC4 & Amphenol compatible connectors
Application class	Class A (Safety class II)
Superstrate	High transmittance ARC glass
Cells	72 Poly-crystalline solar cells; 5 bus bars
Encapsulation	Low shrinkage PID resistant EVA
Substrate	Tri layer backsheet
Frame	Anodized aluminium frame with twin wall profile
Mechanical load test as per IEC	5400 Pa-front; 2400 Pa-back
Maximum series fuse rating	20 A

Currant / Voltage Dependence on Irradiance and Module temperature. These I.V Curves Indicate the Effect of temperature and Lite Intensity on Module Performance.

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Warranty and certifications

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10 years of product warranty 25 years of Performance warranty

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IEC 61730-2 (Type Approval), IEC 61701 (Salt Mist)
IEC 62804 (PID Test), IEC CB 61215 (Performance)
Linder Process









Pacific Series Mono PERC Half cut SEPLM10 | 144 Cells | 530-550Wp

Technical Parameters - 144 Half Cut Cells

Electrical Parameters STC at 1000W/m² at 25°C

/lodel	Voc	Vmax	lmax	Isc	Pmax	Eff	FF
550	49.45	42.60	12.95	13.90	550.00	21.29	80.01
545	49.35	42.55	12.85	13.80	545.00	21.09	80.02
540	49.30	42.50	12.75	13.65	540.00	20.90	80.43
535	49.27	42.48	12.60	13.50	535.00	20.71	80.43
530	49.25	42.40	12.50	13.45	530.00	20.51	80.01

Electrical Parameters NOCT at 800W/m² at 45°C

Model	Voc	Vmax	lmax	Isc	Pmax	
550	45.55	37.99	10.42	11.25	395.94	
545	45.46	37.95	10.34	11.17	392.43	
540	45.42	37.90	10.26	11.05	388.91	
535	45.39	37.88	10.14	10.93	384.16	
530	45.37	37.81	10.06	10.89	380.39	

Cell Size (mm) 91 x 182

Design Parameters							
VOLTS	24						
NOCT (°C)	45±2						
Temp. Coeff of Pmax (%/°C)	-0.39						
Temp. Coeff of Isc (%/°C)	+0.06						
Temp. Coeff of Voc (%/°C)	-0.33						
Max. System Voltage (VDC)	1500						
Design Load (Pa)	2400						
Max. Operational Temperature (°C)	+85°C						
Max. Series Fuse Rating	25A						
By-pass Diode Rating	25A						
Fire Class Rating	Class C						

Mechanical data

Length	2278 mm
Width	1134 mm
Height	35 mm
Weight	28.5 Kg
Junction box	IP 67 / IP 68
Cable and Connectors	300 mm length cable, MC4 & Amphenol compatible connectors
Application class	Class A (Safety class II)
Superstrate	High transmittance ARC glass
Cells	144 Half Cut MONO PERC solar cells; 10 BB
Encapsulation	Low shrinkage PID resistant EVA
Substrate	Tri layer backsheet
Frame	Anodized aluminium frame with twin wall profile
Mechanical load test as per IEC	5400 Pa-front; 2400 Pa-back
Maximum series fuse rating	25 A

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LOAD CHART								
LOAD	QTY	2 K	VA	5 K	VA	8 KVA		
		OP-1	OP-2	OP-1	OP-2	10 KVA		
FAN	4	~	~	~	~	~		
LED	4	~	~	~	~	~		
AC	1	×	×	×	×	~		
FRIDGE	1	×	~	~	~	~		
WASHING MACHINE	1	×	~	×	~	~		
TV	1	~	~	~	~	~		
WATER PUMP	1	~	×	~	×	~		

FEATURES

HIGH PERFORMANCE POLYCRYSTALLINE MONO, MONO PERC SOLAR PV MODULES



• With the new 5 Busbar configuration, you get better module efficiency and power output.



 With high strength frame design, our modules can withstand front load of up to 5400 Pa and rear load of up to 2400 Pa to counter heavy winds and snow fall.

HIGH POWER OUTPUT

• JMDAB PV modules have a compact built yet deliver enhanced output and efficiency.

BETTER PERFORMANCE IN HIGH TEMPERATURES & LOW LIGHT

- Our PV modules come with an improved temperature coefficient to provide effective performance even in high temperatures.
- Besides, the advanced glass and cell structure ensure excellent performance even in low light.

YEARS

HIGH PERFORMANCE OVER YEARS

• JMDAB PV modules are designed to deliver 80% performance even after 25 years of service .

LINEAR PEFORMANCE WARRANTY





PV MODULE RANGE

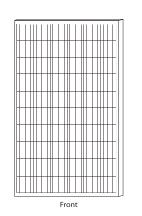
ELECTRICAL PARAMETERS

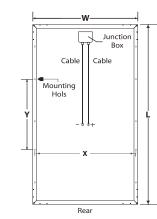
	POLYCRYSTALLINE									мон	NOCR	YSTAI	LINE	MONO PERC HALF CUT							
Pmax. (Wp)	40W 12V	55W 12V	70W 12V	80W 12V	100W 12V	110W 12V	150W 12V	180W 12V	200W 12V	200W 24V	250W 12V	250W 24V	335W 12V	335W 24V	100W 12V	150W 12V	200W 12V	400W 24V	530W 24V	540W 24V	550W 24V
Rated Voltage VMP (V)	18	18	18	18	18	18.2	18	19.1	18	36	18	36	19.1	38.2	20	20.21	20.33	40.67	42.40	42.50	42.60
Rated Current IMP (A)	2.22	2.78	3.33	4.17	5.56	6.05	8.33	8.64	11.11	5.56	13.89	6.94	17.54	8.77	5	7.43	9.84	9.84	12.50	12.75	12.95
Open Circuit Voltage VOC (V)	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	43.2	21.6	43.2	22.5	45	22.7	24.12	24.48	48.6	49.25	49.30	49.45
Short Circuit Current ISC (A)	2.33	2.92	3.5	4.38	5.83	6.22	8.75	8.94	11.66	5.83	14.58	7.29	18.2	9.12	5.27	7.82	10.1	10.1	13.45	13.65	13.90
Module Efficiency (%)	13.27	13.78	16.53	14.51	14.93	16.42	15.19	16.24	15.15	15.14	15.48	15.48	17.46	17.46	19.35	18.82	19.69	20.25	20.51	20.90	21.29
Solar Cells per Module	36	36	36	36	36	36	36	36	72	72	72	72	72	72	36	36	36	72	72	72	72
Module Dim. Width (W) mm	666	666	666	666	666	666	666	675	981	981	981	981	981	981	666	661	675	995	1134	1134	1134
Module Dim. Length (L) (mm)	432	545	545	776	1006	1000	1483	1505	1346	1346	1646	1646	1956	1956	776	1206	1505	1985	2278	2278	2278
Module Dim. Depth (D) (mm)	30	30	30	30	30	30	30	30	34	34	34	34	35	35	30	30	30	35	35	35	35
Weight Net\Gross (Approx) (Kg)	4.0	4.7	4.7	6.6	8.5	8.8	12.0	13.0	16.0	16.0	20.0	20.0	25	25	6.8	10	13	25.5	28.5	28.75	29.0
Mounting (C to C) (W) (mm)	632	632	632	632	632	632	632	632	950	950	950	950	950	950	632	632	640	960	1099	1099	1099
Mounting (C to C) (L) (mm)	300	300	300	388	503	503	741.5	741.5	800	800	800	800	800	800	388	581	741.5	800	800	800	800
Size of Mounting Hole (mm)	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9
Maximum System Voltage (V)		60	0						1000					1500		1000		1500	1500	1500	1500

COMMON FEATURES

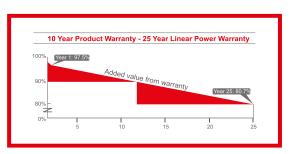
COMMONTEATORES	
Junction Box	IP 65 - IP 68
Solar Cell	Poly Crystalline (Mono, Mono Perc- Optional)
Frame	Anodized Aluminium Alloy
Front Glass (Thickness) (mm)	3.2mm, Tempered Glass
Standard Test Condition (STC)	1000W/Met ² . 25°C, AM 1.5 (within the measurement tolerance of ±5 %)
Relative Humidity at 85°C (%)	85
Temperature coefficients of Voc (%)	-0.32 % /°C
Temperature coefficients of Pm (%)	-0.45 % /°C
Max. Permitted Module Temperature	-40 C to + 85°C
Tolerance on Electrical Parameter (%)	± 15 %

MODULE SHAPE DIMENSION





LINEAR PEFORMANCE WARRANTY



Telephone No. : 0522 4109089 Toll Free No. : 1800 102 6205

E-mail ID: jmd.alliedbatteries@gmail.com

Website:

The above specifications are subject to change without prior notice due to continuous improvement.









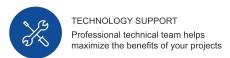


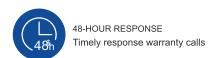








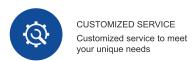






TAILOR-MADE EVALUATIONS
AND RECOMMENDATIONS
Experienced sales and technical staff provide professional consultation







PV POLICY CONSULTATION Experienced team of analysts provides up-to-date analysis and forecast













SOLAR MODULES SOLAR BATTERY INVERTER BATTERY E-RIKSHAW BATTERY LI-ION BATTERY EPC SOLUTIONS

JMDAB ALLIED BATTERY PVT. LTD

Para Khandauli, Dewa Road Barabanki (Lucknow) - 225123 (U.P.) Telephone : 0522 4109089 Toll Free No : 1800 102 6205

Email : jmd.alliedbatteries@gmail.com

Website : www.jmdab.com









Poly Crystalline PV Module

Poly Crystalline DCR PV Module **Mono Crystalline PV Module**















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jmd.alliedbatteries@gmail.com **Email**

Website www.jmdab.com