

ABVOLT LOAD BANKS



AVAILABLE LOAD BANK MODELS:

RESISTIVE ONLY

R250A | R500A

RESISTIVE - REACTIVE

RR250A | RR500A | RR1000A



ABVOLT LOAD BANKS

KEY FEATURES

- Resistive only & Resistive - Reactive Load Banks
- Suitable For Indoor & Outdoor Installation
- Fully Tested Replaceable Load Elements
- Heavy Gauge Mild Steel Construction
- Built in Fork Lift Channels & I hooks
- Easy Operation & Maintenance
- Possibility of Remote Operations
- Dedicated Mobile Application For Remote Operation
- Heavy Duty Castor Wheels
- External / Internal Power Supply System For Cooling Fan



Manufactured By
Capex Equipment & Rental Solutions
R-113, Clover Forest County, Kharadi,
Pune – 411014 (India)
Phone - +91-7058999777
Email – info@capexrental.com
Web - www.capexrental.com

Authorised Representative

ABVOLT RESISTIVE LOAD BANKS

AB250RA -250KVA Resistive Load Bank



Construction -

The frame and the body of the load bank is constructed from 2.5mm, 1.6mm and 1.0mm mild steel in order to form a robust structure. Specially designed powder coated access doors allows user friendly access to the dedicated sections for controls, power connections, digital meters and switchgears. Double layered horizontal discharge duct with heat shields contains the resistive load elements and cooling fan. A special protective screen on air inlet and outlet provides protection against hazardous parts. The frame is provided with four lifting points and the base is equipped with fixing points for permanent installations.

Finish -

Standard color for Abvolt Load Banks is RAL 7001. Other colors are available on request. Stainless steel construction can be done if needed.

Mounting-

Load bank is mounted on the heavy duty powdered coated mounting rails.

Airflow and Noise Level -

Forced air cooling is by two heavy duty single phase 400 watts fans giving horizontal discharge. Fans are suitable for 50/60 Hz operations providing max airflow of 1360 CMH.

Environment -

Standard load banks are rated at 55°C max. Ambient humidity may be upto 95% RH non condensing. Altitude can be upto 1500 meters above mean sea level. For safety we highly recommend non explosive and non corrosive ambient air.

Power Terminals and Cable Entry -

Power terminals are located in dedicated section behind the protective door. All load banks are fitted with dedicated terminals for safe power connections.

Auxiliary Supply -

The fan and control circuit may be powered from an auxiliary supply or from the supply on the test, provided it is of correct voltage and frequency. Load banks are provided with rectangular 3 pin earthed and fused plug in order to ensure complete safety. Industrial grade connections are available as option.

Component Specification and Ratings -

Load banks use replaceable non finned sheathed elements. The elements are very conservatively rated in order to achieve maximum reliability without using cooling fins. The elements are designed to operate continuously upto 900° C while maximum temperature of 270-290° C is observed during the operations.

Protection -

An emergency stop / disconnect switch provides full isolation of the fan and control supply. Start / stop buttons are provided to avoid automatic restart of the load bank. For static installations remote start/ stop is optional. The fan motor is fully protected with fuses and thermal overload. The load contactors are interlocked with the fan controls to ensure that load can be applied only when the fan is running. Over voltage and over current protection is provided by using circuit breakers for each load. A pair of front panel guard is provided in order to protect the equipment against collision.

Load Control –

The load contactors are actuated by the dedicated load control system. Standard load banks are provided with switches. Special remote controlled system is optional.

Output Readings –

Specially designed heavy duty digital meters are provided to display load parameters like V, A, F, Kw, KVA, Kvar

Documentation –

A comprehensive operation manual is supplied with sections covering safety, installation, commissioning, operation, calibration and fault finding.

Optional Accessories -

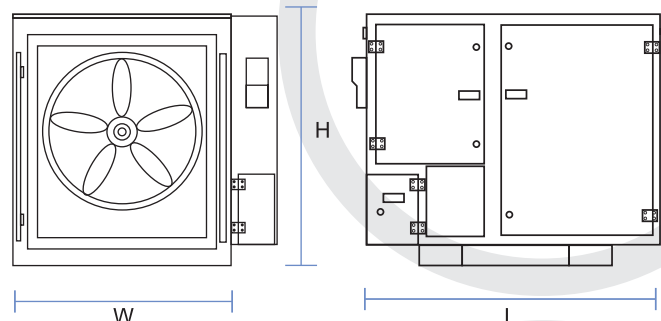
- PLC based controller
- Remote monitoring and operation facility
- Special paint finish
- Castor sets


TECHNICAL SPECIFICATIONS

Parameters	Details
Model	AB250RA
Nominal Capacity	250 Kw
Type	Resistive Only
Input	415 V, 3 Phase, Frequency 50/60 Hz
Connections	M12 X 1 for each phase and neutral
Auxiliary Supply	Single Phase 240 V AC Supply, 2000 W
Current	347 A (Normal), 382 A (Maximum) Per Phase
Load Step	1 Kw
Duty Cycle	100%
Cooling	Forced Air Cooling
Temp Rise (Average)	300 °C above ambient temperature at 100 % Duty Cycle
Operating Conditions	<ul style="list-style-type: none"> ■ Temperature – Recommended 50°C ambient at Max ■ Humidity – 95% RH at Max, Non Condensing ■ Air Quality – Non explosive , Non Corrosive

Weights & Dimensions

Load Bank Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Mode Of Operation
AB250RA	1600	1330	1400	500	Auto / Manual



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Company Profile

Apt Construction Equipment Rental LLC (**Ace Power**) is registered in Dubai since 2005, with head office in Dubai and branch office in Sharjah. ACE Power, specialised in temporary power solution, offers range of service like Sale, Rental and Annual Maintenance Contract (AMC) for construction equipment like Diesel Generators, Air Compressor, Access Platforms, Lighting Tower, Pumps and Warehouse Equipment. We have our purpose built warehouse and workshop at Sharjah Emirates Industrial City spread over 30,000square feet area with dedicated manpower in engine rebuild, fuel pump calibration, motor & alternator winding with dynamic balancing. We have customer spread over almost all Emirates of which more than 50% of revenue, fleet and people based in Dubai, 35% in Sharjah and Northern Emirates and 15 % in Abu Dhabi & Al Ain.

ACE Power - Rental Business

Ace Power, started in 2005 with over 80 years of combined experience in power generation industry among the partners, dedicated to cater temporary power needs through Rental of Diesel Generators and related accessories like power cables, external fuel tank, distribution boards and synchronise/totalizing panel etc. We have extensive knowledge & experience in design, installation, commissioning and operation of power plants with the help of Diesel Generator or **Hybrid Solutions** using **Diesel and Solar** in absence of grid power supported with remote monitoring systems.

We have a fleet of LHP (30-125kVA) / MHP (125 – 500kVA) and HHP 500-1250kVA) range of diesel generators on rental with mainly Cummins brand. We invest regularly in new fleets and update with latest technology products available in market to offer better value for our customers in terms of fuel efficiency, emission controls and sound reduction. We also offer full turnkey solutions with power on demand panels with multiple capacity DG's synchronised with load depended start stop for better utilisation of capacities their by huge fuel saving. We supply un-interrupted power supply for commissioning activities, commercial, residential and business towers, Free Zones, Factories and Labour accommodation with redundancy and guaranteed power for critical operations. We can also offer complete turnkey multi megawatt power solution with multiple DG Island / Grid Synchronising. Right from load evaluation, design power requirement and distribution, supply & installation, fuel management along with on site operation and management with 24/7 call out supports.

ACE Power - Sales Business

We sell brand new DG sets from 10kVA till 3000kVA mainly Cummins / Perkins / Mahindra / MTU / JCB brand and its spares for regular maintenances with Genuine / OEM / after market. We give warranty support for the units we sell and can offer extended warranty for long period with unlimited hours with little additional extra cost. We can also support with hire / lease purchase of brand new DG sets with annual maintenance contract (AMC) and optional buy back as well after the usage of 12/24/36 months. We are specialised in Cummins and Perkins brand DG sets from 10kVA till 1250kVA's and usually keeps stock these units for immediate sale.



ACE Power - Annual Maintenance Contrcats (AMC)

We undertake comprehensive / preventive annual maintenance contract for diesel generating sets of any brand on yearly contract basis for standby / continues duty sets. We provide support for such contract 24/7 on site calls out facilities during the contractual period. We also source spares for those units and support with repair / refurbishment works while on/off contract. We can also asses the unit and advise health conditions of any DG sets which are on standby / prime duty for 3rd party certification.

Products & Services:

Rental of diesel Generator

Sale of Generator, pumps, lighting tower and warehouse equipment's

Generator AMC's (Annual Maintenance Contract)

Accessories like Cable, Fuel Tank, DB's, Junction Box and Change over switch

Synchronised Power & Power on Demand

Load Bank Sales – Resistive & Inductive

Load Bank Rental and Testing of Power Source

Multi mega-watt Power projects (Design, Install, Commission, Mob-demob)

Fuel management (On site as per load demand and usage)





Event Power with complete turnkey solution and distribution

Project Consultancy with demand assessment, load distribution, multiple power option.

Agencies we hold

Brands of Choice

Exclusive Source for brands

CPS Diesel Generators Made in UK 	Cummins Generators – Made in India 
AbVolt Products – Made in India Resistive / Reactive Load Bank 	Perkins Generators Made in UK 
Power On Demand – Multiple DG Synchronisation with Intelligent Control	JCB / VOLVO PENTA / TATA / MAHINDRA



Profile - Key Personals

We have a strong team of professionals who has multi fold years of experience and expertise in power industry. This enables us in understanding the specific requirements of the clients and meets them effectively, efficiently and most important with agility and costs. Further, our team keeps themselves updated with latest technology and ensure optimum quality products reaches to the clients during their emergencies.

Koshy Mammen – Director – Managing Director (Rental Industry Expert)

Graduate Automobile Engineer with hands on experience with all type of construction machinery maintenance in UAE for over 30 years. He was workshop manager for Belhasa Swimming Pools and Al Rawahy Establishment before started Ace Power. He is the MD since inception and responsible for administration and accounts.

Boben Mathew – Director – GM Sales & Marketing (Rental Industry Expert)

Graduate Mechanical Engineer with Masters in business administration and International trade. Started his career in Rental Industry in UAE from 1994. He has worked in various multinational companies like Atlas Copco, Aggreko (Middle East & India) Manlift Power (UAE). He was instrumental in setting up business for Atlas Copco in UAE / Manlift Power Project – in ME and Aggreko in India and his last assignment was National Sales Head for Aggreko India (2009-2014) before joining Ace Power. Knowledge of sizing power and cooling load calculations (HVAC) is his forte. He has written various articles and expert's opinions about power rental business in International Rental Review and various technical journals.

PJ Paulson – Director - GM Operations & Technical (Rental Industry Expert)

Graduate electrical engineer and with 25 years of hands on experience in DG sets manufacturing in UAE. He has been instrumental in managing technical division for Aggreko / Shoofan / Imdad for DP World also worked with ETPM. He is responsible for technical and operations of the company.

Designation	Name	Background
Managing Director	Koshy Mammen	More than 30 years + in Rental Industry
GM-Sales & Marketing	Boben Mathew	25 years + in Rental in Middle East and India
GM-Technical/Operation	PJ Paulson	25 years + experience in Rental Business
Service Team Leader	Sajith	12 yrs. experience in the rental since inception



Rental Fleet and Accessories



From 10KVA till 125KVA

Super silent DG's 63db at 7m

Built in Day tank

High fuel efficiency

Forklift pocket with single lifting hook

Integrated with external tank by auto feed

Capacities 10 / 15 / 20 / 30kVA (LHP)

Capacities 45 / 60 / 100 / 125kVA (MHP)



From 150KVA till 500KVA

Super silent DG's 63db at 7m

Built in Day tank

High fuel efficiency

4 corner lifting, need crane for unloading

Can integrate with external tank with auto feed

Provision for synchronizing multiple set

Power on Demand available

Capacities 150 / 180 / 200 / 250kVA (HHP)

Capacities 365 / 400 / 500kVA (HHP)



Containerized DG 800kVA till 1250kVA

Silent DG's in ISO container

Built-in Day tank & for external tank

Highly fuel efficient engines with low

4 corner lifting, need crane for unloading

Can integrate with external tank with auto feed

Built-in synchronizing facility with all DG's

Base load application hence 24hrs operation

Power on Demand available

Capacities 750 / 800 / 1000 / 1250kVA (HHP)



Fuel Management

Supply external tank in 100/250/500/1000 I. Gal
Can supply double banded tank 500/1000Gal
Auto fuel filling from tank with power off
Good for continue running 10/12/24hrs
Best quality fuel will be supplied
No air lock due to lack of fuel in day tank
Bulk buy and storage of diesel cost less
Can integrate with external tank with auto feed



AMC and 24/7 support

24/7 team on call available on site
Periodic maintenance on scheduled interval's
Trouble shooting with trained manpower
Vehicle equipped with spares and filters
Spread across all emirates during week days
Additional operators on demand at extra
Installation, commissioning and decommissioning
Load analysis, mapping and sizing of DG
Technical evaluation and turn key solution
Annual Maintenance Contract



Choice of Panels

Distribution Panel Single / 3phase
Synchronizing Panel
Automatic Transfer switch
Manual change over panel
Totalizing Panel
Junction Box



Cables and Accessories

25mm/ 35mm / 75mm² 4 core cable
120mm² single core rubber flexible cable
240mm² single core rubber flexible cable
“C” Form socket 1Phase / 3Phase



Organisational Details

Company Name	Apt Construction Equipment Rental LLC
Share Holding	49% Private Individual investors with 51% Local holding
Year of Establishment	2005
Sponsor Name	Saeed Khalifa Mohamed Al Fuqaei
Registered Office	Dubai, UAE
Licence No	574991
Address	P O Box 24301, Dubai, UAE
Telephone	+971 4 3806264
Fax	+971 4 3806265
Web	www.ace4power.com
Email	info@acepower-me.com
Banks	Emirates NBD
A/c No:	1011205043101
Branch	Al Qusais Br. Dubai.
Branch	Al Quoz Industrial Area 3
Swift Code	EBILAEAD
Total Fleet	32MVA + accessories like fuel tank, cables, panels
Depot	Emirates Industrial City
Area	30,000 sq. feet purpose build depot in Emirates Ind. City SH
Head Office	1600 square feet at Al Gussais
No of Employees	27
Auditors	Al Jeroudy Accounting & Auditing, Dubai. UAE.



رخصة تجارية Commercial License

تفاصيل الرخصة / License Details			
رقم الرخصة	574991		
اسم الشركة	ابت لتأجير معدات المقاولات (ش ذ م م)		
الإسم التجاري	ابت لتأجير معدات المقاولات (ش.ذ.م.م)		
الشكل القانوني	ذات مسئولية محدودة		
تاريخ الإصدار	12/11/2005	Issue Date	تاريخ الإنتهاء
رقم الرخصة الام	574991	Main License No.	الرقم العالمي
عضوية الغرفة	102306	DCCI No.	رقم السجل التجاري
اطراف الرخصة / License Members			
الإسم / Name	رقم الشخص/No.	الجنسية / Nationality	الصفة / Role
بوبن / BOBEN MATHEW MATHEW KANJIKARA	605228	الهند / India	مدير / Manager
ماتيو ماتيو كانجيكارا			
جون / JOHN PAULSON P P JOHN PALOCARAN	648671	الهند / India	مدير / Manager
باولسون ب ب جون بالوكاران			
كوشي مامين كونجنيانا مامين	206256	الهند / India	مدير / Manager
نشاط الرخصة التجارية / License Activities			
تأجير معدات وآليات التشييد والبناء		Construction Equipment & Machinery Rental	
تأجير المضخات والمحركات والمولدات		Pumps, Engines and generators Rental	
العنوان / Address			
صندوق البريد	24301	P.O. Box	تليفون
رقم القطعة	243-204	Parcel ID	فاكس
مكتب رقم 206 ملك عبدالله أحمد محمد بن فهد المهيري - بر دبي - القوز	الهاتف المتحرك		
مكتب رقم 206 ملك عبدالله أحمد محمد بن فهد المهيري - بر دبي - القوز			
الملاحظات / Remarks			
تم نقل الموقع في 2017-05-11			

Print Date 21/10/2017 15:44 تاريخ الطباعة

Receipt No. 12726377 رقم الإيصاف

يمكنك الآن تجديد رخصة تجارتك التجارية من خلال الرسائل القصيرة (دو/ اتصالات) إلى 6969 (دو/ اتصالات) للتحقق من الدفع. Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment.

www.dubaied.gov.ae

Apt Construction Equipment Rental LLC, P.O.Box: 24301, Tel: +971 4 380 6264

E-mail : info@acepower-me.com, www.ace4power.com


الهيئة الاتحادية للضرائب
FEDERAL TAX AUTHORITY



شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة
Certificate of Registration for Value Added Tax in the United Arab Emirates

The Federal Tax Authority certifies that the entity below is a registered person for Value Added Tax in the UAE
تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة

Full Arabic legal name	أيت لتأجير معدات المقاولات (ش.ذ.م.م)	الاسم القانوني الكامل باللغة العربية
Full English legal name	APT CONSTRUCTION EQUIPMENT RENTAL (LLC)	الاسم القانوني الكامل باللغة الانجليزية
Registered address	Abdulla Al Fahed1, Damascus street, Al Qusais Industrial Second, Dubai, Dubai, United Arab Emirates, 24301, +97143806264	العنوان المسجل
Tax Registration Number	100054060700003	رقم التسجيل الضريبي
Effective Registration Date	01/01/2018	تاريخ التسجيل الفعلي
First VAT Return Period	1 Jan 2018 – 31 Jan 2018 and quarterly thereafter	فترة أول إقرار لضريبة القيمة المضافة
VAT Return due date	28th day following the end of the VAT return period	تاريخ استحقاق إقرار ضريبة القيمة المضافة
Start and end dates of Tax periods:	1 Feb to 30 Apr, 1 May to 31 July, 1 Aug to 31 Oct, 1 Nov to 31 Jan	بداية ونهاية الفترات الضريبية

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number.



Issuing Date: 13/12/2017

تاريخ الإصدار

