

ADWIN®

MADE IN
INDIA



EXTRA LIFE
POWER



**GLOBAL
CATALOG**

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Chairman's Message

At **Adwin**, our journey has always been about people working together toward a shared vision. What truly sets us apart is the strength of our team. Each person brings something valuable to the table, and by recognizing and using these strengths, we've been able to grow both as individuals and as a company.

I believe that success is never the result of one person alone. It comes from collective effort, trust, and the willingness to learn from one another. Together, we've built a culture that values collaboration, encourages new ideas, and celebrates progress at every step. As we look ahead, we're excited about the road before us. Adwin is investing in cutting-edge research in both Lithium and Lead-acid battery technologies, driving innovation to power the future responsibly and efficiently. We are also expanding our presence in the home electrical space, introducing products that combine reliability, design, and everyday convenience.

Our goal is to make Adwin a name that every household in India recognizes and trusts, while continuing to deliver world-class solutions for our industrial clients and OEM partners. With passion, innovation, and teamwork guiding us, I am confident that the best of Adwin is yet to come.



Mr. Sanjiv Gupta
Managing Director

ABOUT US

Established in 1995, Unique Group has grown into a diversified manufacturing leader spanning plywood, wooden panels, fertilisers, cement, MDF & particle boards, LED lighting, and batteries.

Building on this legacy, the Group expanded into advanced energy solutions through Unique Energos Pvt. Ltd. Our 32.5-acre integrated facility in Yamuna Nagar, Haryana is equipped with automated production lines for:



Lead-Acid & Lithium
Batteries



Inverters & Solar
PCUs



Solar Panels



Smart Electric
Geysers

We are an ISO 9001:2015 and ISO 14001:2015 certified battery manufacturer with fully automated, high-precision production systems. Our facility features:

- Advanced grid & spine casting machines
- Automatic paste mixing, pasting & heat-sealed assembly lines
- Fully automatic curing chambers for stronger plates
- In-house chemical & electrical testing labs

Guided by experienced professionals and continuous tech upgrades, we maintain strict quality control — making us a trusted supplier to four of India's five largest battery brands.

The Unique Group represents a legacy of quality and innovation across multiple industries. Built on strong manufacturing expertise and trusted business practices, the Group operates across diverse sectors, delivering reliable, performance-driven products through its group companies in India and global markets.





MISSION

At Adwin Power, our mission is to deliver clean, reliable, and high-performance energy solutions for people, businesses, and industries. Guided by innovation and responsibility, we create sustainable technologies that meet today's needs while enabling a more accessible and efficient energy future.



VISION

Our vision is to create a cleaner, smarter world through sustainable, high-impact energy solutions. We seek to redefine how power is generated, stored, and used—making it more accessible, efficient, and valuable for everyday life, while building a future driven by trust, innovation, and responsibility.



OVER

5 MILLION

BATTERIES SOLD WORLDWIDE

MONTHLY CAPACITY OF

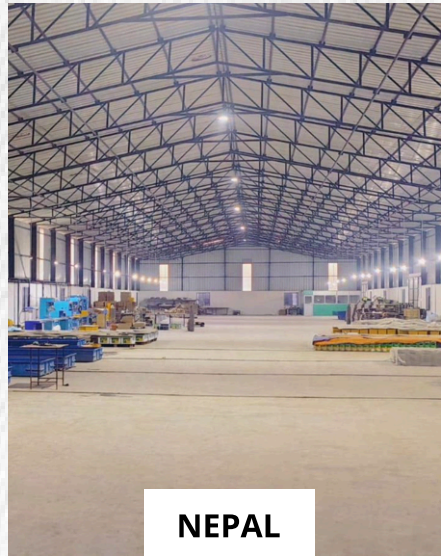
80,000+ UNITS

BATTERIES



GLOBAL PRESENCE

Adwin Power's energy solutions are trusted across 8+ countries in India, the Middle East, and Africa—empowering progress on a global scale.



SALES NETWORK





ADWIN SOLAR BATTERY



Advantages

- Quick charged
- Suitable for frequent power-cuts
- Tubular designed positives plates provides long life
- Very low maintenance & long life
- Eco-friendly aqua trap vent plugs to ensure no acid fumes

KEY HIGHLIGHTS



Electrolyte contains special additives to get quick recovery from deep discharge.



Excellent Charge Acceptance



Plates casting by High Pressure Die Casting machines (PDC)



Microprocessor Controlled (rolled) Curing



High Rate Discharge Tested



Environment Friendly



Improved Safety

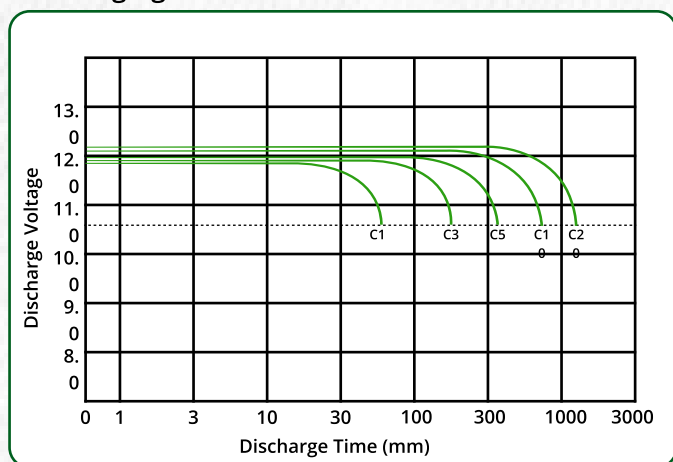
Loss of capacity on storage per month at 27°C	< 5.0%
Percentage (%) of Ampere-Hour-Efficiency	> 94.0%
Percentage (%) of Watt-Hour-Efficiency	> 81.0%

Product Specifications

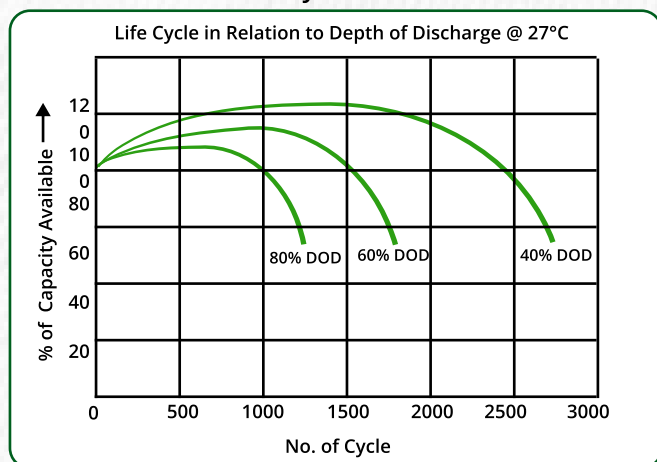
Model	Capacity @ 27° C	Nominal Voltage	Dimensions mm (L x W x H)	Filled Weight (Kg. ± 3%)	Gross Weight (Kg. ±3%)
ATT15024N	150 AH	12V	505 x 190 x 405	55.0	57.0
ATT18024N	180 AH	12V	505 x 190 x 405	58.0	60.0
ATT20024N	200 AH	12V	505 x 190 x 405	60.0	62.0
ATT22024N	220 AH	12V	505 x 190 x 405	62.0	64.0
ATT23024N	230 AH	12V	505 x 190 x 405	64.0	66.0
ATT30024N	300 AH	12V	505 x 190 x 405	71.0	73.0

Applicable Standard: IS 13369: 1992

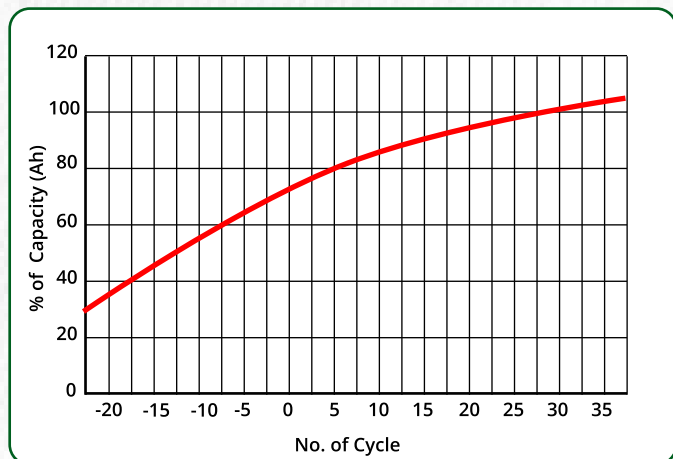
Discharging Characteristics at various rates @ 27°C



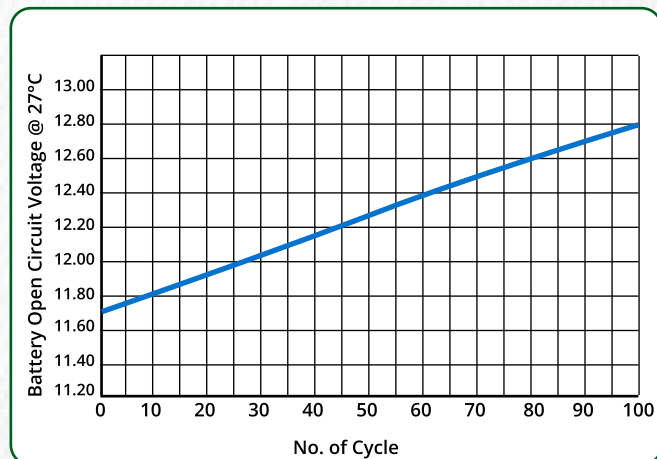
Life Cycle @ 27°C



Capacity v/s Temperature



Battery Open Circuit Voltage v/s Stage of Charge



*Classic Energy,
Modern Reliability*

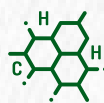




LITHIUM BATTERIES



KEY FEATURES



Built On LiFePO_4
Chemistry



Delivers Consistent
Output



Charges Faster



Safer and Smarter



Maintenance-Free



Backed By 6000 Cycles
And 5-Year Warranty



Segment	Model/Capacity	KWH	*Charge Cycle life 0.25C
Low Voltage Home UPS Application	12.8V 105AH	1.34	6000
Low Voltage Home UPS Application	25.6V 105AH	2.68	6000
Low Voltage Home UPS Application	51.2V 105AH	5.37	6000
Low Voltage Home UPS Application	12.8V 206AH	2.63	6000
Low Voltage Home UPS Application	25.6V 206AH	5.27	6000
Low Voltage Home UPS Application	51.2V 206AH	10.54	6000
Low Voltage Home UPS Application	51.2V 630AH	30	6000
High Voltage Home/Industrial UPS	180V	20	6000
High Voltage Home/Industrial UPS	96V 206AH	19.77	6000
High Voltage Home/Industrial UPS	96V 105AH	10.08	6000
High Voltage Home/Industrial UPS	400V	40	6000
Inbuilt Lithium Solar Inverter	1KVA PWM 12.8V	1.34	6000
Inbuilt Lithium Solar Inverter	2KVA PWM 25.6V	2.68	6000
Inbuilt Lithium Solar Inverter	1KVA MPPT 12.8V	1.34	6000
Inbuilt Lithium Solar Inverter	2KVA MPPT 25.6V	2.68	6000



INVERTERS

MODELS



PURE SINEWAVE
900VA 10KVA/120V

AC-1120E/12V

AC-2520E/24V

AC-4020E/48V

AC-5520E/48V

AC-7500E/120V

AC-10000E/120V



Heavy Duty



Energy Saving



KEY HIGHLIGHTS



Digital (16*2) LCD
Display & LED for
indications



Charging selectable
option: Tubular/Flat
Plate or SMF



Complete protection
from short circuit, phase
reversal, AC back feed.



Battery Water level
Indicator



High & low battery
charging selection



Brings life to absolutely
deep discharge batteries
zero volt pick-up



Battery reverse polarity,
over temperature



Retry in over load and
battery low shut down



SOLAR HYBRID PCU



PWM TECHNOLOGY
900VA/12V - 10KVA/120V

MODELS

ASP-1120E/12V	ASP-2520E/24V
ASP-4020E/48V	ASP-5520E/48V
ASP-7500E/120V	ASP-10000/120V



Latest Design



Smooth Installation

KEY HIGHLIGHTS



Digital (16*2) LCD
Display & LED for
indications



Inbuilt PWM based solar
charge controller



Battery water level
indicator



Selectable hybrid mode:
on/off



Retry in overload
and battery low
shut down



High and low battery
charging selection



Brings life to absolutely
deep discharge batteries
zero volt pick up



Complete protection from
short circuit, Phase reversel,
AC back feed, Mains RCB



SOLAR INVERTER



MPPT TECHNOLOGY
1000VA/12V - 10KVA/120V

MODELS

ASM-1210/12V	ASM-1310/24V
ASM-1715/12V	ASM-2220/24V
ASM-2725/24V	ASM-3230/24V
ASM-3330/48V	ASM-3735/48V
ASM-5550/48V	ASM-7775/96V
ASM-12100/120V	



KEY HIGHLIGHTS



IGBT based design
& fast charging.



Big display



Multi battery
selection



Wide range MPPT
input.



Sleek & aesthetic
design.



6 stage battery
charging



40% more output
generation



Incorporated with
microchip & St
DSP engines



Maximized solar
usage through
intelligent mode



Works as stand
alone solar inverter
in case of no grid



Safety &
protections



RS-232 (Industrial
standard modbus)



Genset mode
available



WALL MOUNTING SOLAR INVERTER



**MPPT & PWM BASED PCU
WITH INBUILT LITHIUM BATTERY**

Key Features

- Big Display
- Sleek And Aesthetic Design
- No Humming Noise
- Easy To Service
- MPPT & PWM Based Charger
- Zero Maintenance
- More Backup than Normal Batteries
- Easy Installation
- Life P04 Battery Pack Inside The Cabinet
- Maximized Solar Usage Through Intelligent Mode

Product Specifications

MODEL	AD06K12V50AP	AD1K12V100AP	AD2K24V100AP	AD1K12V100AM	AD2K24V100AM
CAPACITY	650VA	1000VA	200VA	1000VA	2000VA
NOMINAL BATTERY VOLT	12.8V	12.8V	25.6V	12.8V	25.6V
CONTROLLER TYPE	PWM	PWM	PWM	MPPT	MPPT
CONTROLLER RATING	45 AMP.	45 AMP.	45 AMP.	60 AMP.	60 AMP.
MAX. PV. VOC	25V	25V	50V	50V	100V
BATTERY HIGH CUT OFF	14.3±2V	14.3±2V	28.6±2V	14.3±2V	28.6±2V
BATTERY LOW CUT OFF	10.6V	10.6V	21.2V	10.6V	21.2V
BATTERY CAPACITY	50AH	105AH	105AH	105AH	105AH
GRID CHARGING	12/15±2AMP.	12/15±2AMP.	12/15±2AMP.	12/15±2AMP.	12/15±2AMP.
SOLAR CHARGING	30 AMP.	30 AMP.	30 AMP.	30 AMP.	30 AMP.



AUTOMOTIVE BATTERY



Advantages

- Heavy Duty
- High Cranking Power
- Low Maintenance & High Performance
- Better Voltage Characteristics Till The End Of Life
- Maintaining Top-Of-Charge Voltage
- Quick Recovery From Deep Sulphation

KEY HIGHLIGHTS



With Advanced Nano
Carbon Technology



It Has Extra Pure Active
Material To Increase Life
Cycle



Fully Radial Grid To
Increase Cranking
Power



Battery Has Passed
All Required
Standards



Heavy Duty



High Cranking
Power



Let's Connect

We'd love to hear from you. Whether you're a distributor, partner, or customer—reach out to us for any business inquiries, support, or collaborations.

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