

SERVICE BROCHURE

SERVICE LINE 03

Solar Energy

On-grid rooftop solar for factories and commercial buildings – with expected generation, savings and payback shown before you commit.

01
Survey and shadow analysis

02
ALMM-listed modules

03
Net-metering liaison

04
Operation and maintenance

AVS GLOBAL INNOVATION PRIVATE LIMITED · IMT MANESAR, GURUGRAM

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One partner for the whole plant.

AVS Global Innovation Private Limited is an engineering company at IMT Manesar, Gurugram, incorporated on 26 August 2025. We started as an authorised Voltas dealer for VRV/VRF air-conditioning and have supplied about ₹1 crore of Voltas systems.

Air-conditioning never works alone. Every system needs a power feed, a control panel and a plan for what it will cost to run. So we widened our scope to the utilities around it, and today work in four service lines: power panels, industrial automation, solar energy, and HVAC & cleanroom turnkey projects.

Panels are built through type-tested fabrication partners. HVAC and cleanroom products are manufactured by ABS Air Tech Pvt Ltd – an ISO 9001:2015 certified company with factories at IMT Manesar and Rewari, in business since 2012 – and delivered turnkey by AVS.

> Quality is our foundation, and customer trust is our greatest achievement.
>
> **Chaitanya Rao**
> Director · B.Tech, Electrical Engineering

2025
Incorporated on 26 August 2025

~₹1 Cr
Voltas VRV/VRF systems supplied

4
Service lines under one team

65,000 sq ft
Partner manufacturing – ABS Air Tech, IMT Manesar and Rewari

Power Panels
PCC, MCC, APFC, VFD and distribution panels

Industrial Automation
PLC, SCADA, drives, BMS and energy monitoring

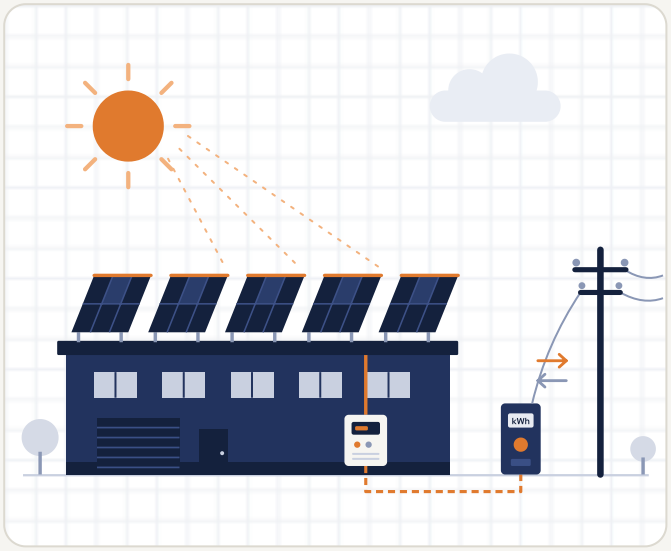
Solar Energy
On-grid rooftop solar with net-metering

THIS BROCHURE

HVAC & Cleanroom
AHUs, ducting, filtration and cleanrooms

Rooftop solar, with the numbers first

We study your roof and your bills before we design anything. The proposal you receive shows expected generation, savings and payback – and one team then takes the plant from structure to net-metering.



WHAT WE DELIVER

01 **Site survey and shadow analysis**
Roof condition, usable area and shading studied on site.

02 **Structure design**
Mounting structures designed for your roof type.

03 **Supply and installation**
Modules, inverters, structures and balance of system.

04 **Net-metering liaison**
Application and follow-up with your DISCOM.

05 **Panels and integration**
ACDB / DCDB panels and connection to your LT system.

06 **Operation and maintenance**
O&M to keep the plant generating after handover.

Numbers first
Expected kWh, savings and payback in every proposal.

Listed modules
ALMM-listed modules, with inverters and structures to match.

One team to the grid
Solar, the LT panel it feeds and the net-metering paperwork – handled together.

From roof to grid

Before you commit

- Site survey and roof condition check
- Shadow analysis and usable area
- System sizing against your load and bills
- Proposal with expected kWh, savings and payback

Design & engineering

- Mounting structures for metal-sheet and RCC roofs
- Module layout and inverter selection
- ACDB / DCDB panels
- Interface with your existing LT panel

Supply & installation

- ALMM-listed modules
- Inverters
- Structures and balance of system
- Installation, testing and commissioning

Grid & after-sales

- Net-metering application and follow-up with the DISCOM
- Energy monitoring
- Operation and maintenance

WE ALSO SUPPLY

ALMM-listed modules | Inverters | Mounting structures | ACDB / DCDB | Cables | Balance of system



TO PREPARE YOUR PROPOSAL, WE NEED

- Last 12 months of electricity bills
- Sanctioned load and connection details
- Roof photographs or drawings
- Plant operating hours and shifts

FREE ENERGY AUDIT

While we survey the roof we also review power factor, HVAC and motor loads, so the proposal shows where else your plant can save.

Your proposal, in numbers

Before you decide, the proposal states three numbers for your roof.

kWh

Expected generation

Estimated yearly output for your roof, orientation and shading.

₹

Savings

What the plant takes off your electricity bill, year by year.

Years

Payback

When the savings recover the investment.



Figures in each proposal are estimates for your site, based on your bills, roof and shading.

Five steps. One accountable team.

HOW WE WORK

01
Survey
Site visit, roof study and shadow analysis.

02
Design and proposal
Layout and structure design, with kWh, savings and payback.

03
Supply and install
ALMM-listed modules, inverters, structures and balance of system.

04
Net metering
Liaison with the DISCOM for the net-metering connection.

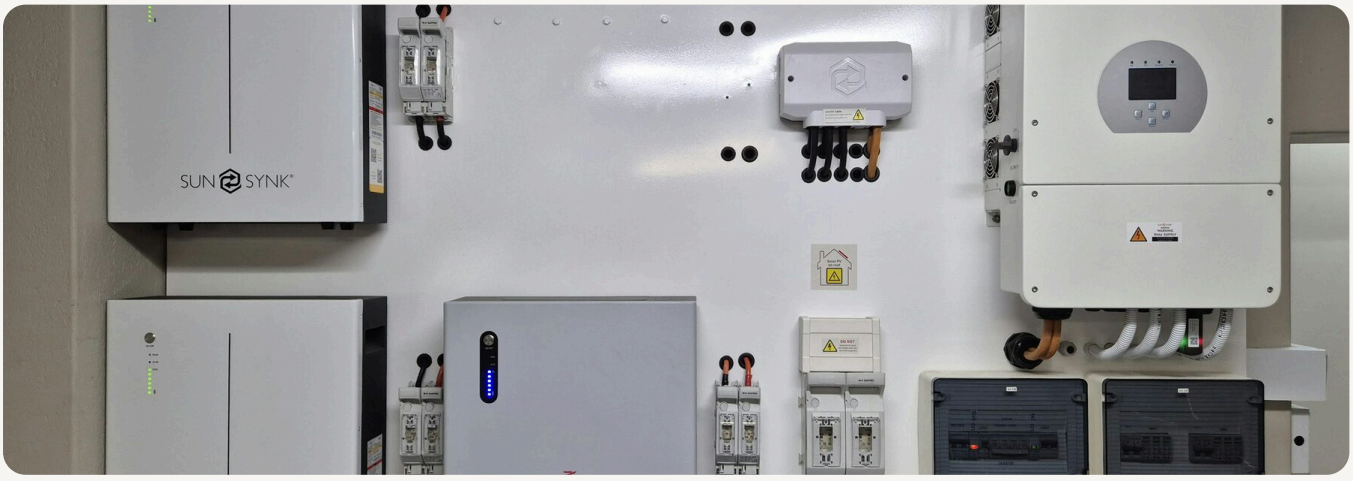
05
O&M
Operation and maintenance after commissioning.

QUALITY COMMITMENTS

- ✓ **Numbers before you commit**
  Generation, savings and payback stated in the proposal.
- ✓ **ALMM-listed modules**
  Modules from the approved list, with matching inverters.
- ✓ **Structures for your roof**
  Designed for metal-sheet or RCC roofs.
- ✓ **One team to the grid**
  Panels, connection and paperwork handled together.

HANDED OVER WITH EVERY JOB

- As-built layout and single-line diagram
- Module and inverter datasheets and warranties
- Test and commissioning reports
- Net-metering documents
- O&M schedule



APPLICATIONS

Industries we serve.

Factory roofs

Metal-sheet and RCC roofs with large daytime loads.

Warehouses & cold storage

Large roofs and steady daytime consumption.

Food & process plants

Plants running through the day and across shifts.

Pharma & laboratories

Continuous HVAC and process loads.

Commercial buildings

Offices, hotels, hospitals and malls.

Engineering units

Workshops and assembly plants with daytime shifts.



ONE PARTNER FOR THE WHOLE PLANT

The same team also handles your

Power Panels
PCC, MCC, APFC, VFD and distribution panels

Industrial Automation
PLC, SCADA, drives, BMS and energy monitoring

HVAC & Cleanroom
AHUs, ducting, filtration and cleanrooms



CONTACT

Let's talk about your plant.

Send us your load list, drawings or electricity bills, or invite us for a site visit. We reply with a clear scope and a quotation.

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FOR PLANTS IN DELHI-NCR

Free energy audit

We walk your plant, review power factor, HVAC and motor loads and rooftop solar potential, and show you where the savings are.

ALSO ASK FOR OUR BROCHURES ON

Power Panels | Industrial Automation | HVAC & Cleanroom