



ATUM Series On-Grid solar Inverter

ADM Solar presents its advanced ATUM Series On-Grid Solar Inverters — engineered to deliver high performance, reliability, and intelligent energy management for modern solar installations. Designed with a wide input voltage range and flexible communication options like WiFi, GPRS, and LAN, ATUM inverters ensure seamless monitoring and control of your solar power system.

With features like Power Export Limit, users can efficiently manage grid interaction while maximizing savings. Its compact design and easy installation make it an ideal choice for both small-scale and large-scale solar projects.

Why Choose ATUM Series On-Grid Solar Inverter?

Efficient energy conversion for higher returns

Smart connectivity for real-time monitoring

Grid-compliant & future-ready technology

Durable, safe, & built for Indian conditions

Features

Wide Input Voltage Range

Power Export Limit

Compact and Easy to Install

WiFi / GPRS / LAN Communication Optional

Applications

Residential Rooftops

Commercial Buildings

Educational and Institutional Buildings

Community Solar Projects

ATUM Series Single Phase On-Grid Solar Inverter Technical Specifications

Parameters	Single Phase (1KW – 5KW)				Three Phase (10KW)	
Model No.	1kW	2kW	3kW	5kW	6kW	10kW
DC Side / Input Parameters						
Max DC Power (W)	1500W	3300W	4500W	6600W	7500W	11000W
Max DC Voltage (Vdc)	550	550	550	550	550	550
Min System Start Voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100
MPPT Voltage Range (Vdc)	70-500	100-500	100-500	100-500	100-500	100-500
Max Input Current (A)	18A			22A		
Max Input Short Circuit Current per MPPT	25A			30A		
Number of MPPT Trackers	1					
Strings per MPPT Tracker	1					
AC Side / Output Parameters						
Nominal Output Power (W)	1000	2200	3000	4000	5000	6000
Maximum Output Power (W)	1100	2420	3300	4400	5500	6600
Nominal Output Voltage / Range (V)	208/220/230/240/180-270					
AC Grid Frequency / Range (Hz)	50/60 (auto-selection) / 44Hz-55Hz / 54Hz-65Hz					
Maximum Output Current (A)	6	12	16	21	23	28
AC Connection (With PE)	Single Phase				Three Phase	
Current Distortion (THDi) Power Factor	<1.5%			<2.5%		
Power Factor	-1% (Adjustable from 0.8 leading to 0.8 lagging)					
Efficiency						
Max Conversion Efficiency	97.30%	97.40%	97.50%	97.80%	97.50%	97.60%
European Efficiency	97.00%	97.10%	97.20%	97.30%	97.20%	97.30%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Safety & Protection						
DC Reverse-Polarity Protection	Yes					
Anti-Islanding / Overvoltage Protection	Yes					
Short Circuit Protection	Yes					
Leakage Current Protection	Yes					
Grid Monitoring / Ground Fault Monitoring	Yes					
DC/AC Side SPD (Thermally Protected)	Yes					
General Parameters						
Dimensions (L/W/H)(mm)	300x294x104			370x318.5x105.5		
Weight (kg)	5			7		
Embedded DC Switch	Optional					
Night Power Consumption (W)	<0.2					
Isolation Type	Transformerless					
Protection Degree	IP65 according to IEC60529					
Operating Temperature (°C)	-25 to +60					
Cooling Concept	Smart Cooling					
Operating Altitude (m)	<2000m without power deration					
Acoustic Noise Level (dB)	<25					
Display	Graphic LCD					
Communication Interface	Standard WiFi / RS485 (optional)					
Warranty	10 Years * Warranty					