



AURAWATT

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AURAWATT PRODUCT CATALOGUE



⚠ Image may differ from the actual product



AURAWATT

Your Power Partner

AURAWATT Hybrid Solar Smart Inverters bring together smart technology and reliable service. They seamlessly combine solar generation, battery storage, and grid power to give you continuous energy, lower bills, and freedom from outages.

Smart Technology for Smart Savings



High-Efficiency: Our inverters use MPPT technology to maximize solar energy and store it for when you need it.



Intelligent Control: Features like intelligent scheduling and automatic power source switching keep your costs down and you in control.



Built to Last: With an IP66 enclosure and advanced safety, these inverters are durable and scalable for future needs.

Unmatched Service & Reliability



24/7 Support: We offer round-the-clock doorstep customer support from trained technicians.



Fast Response: Our nationwide service network ensures quick response times, no matter where you are.

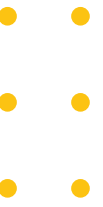


8-Year Warranty: We provide a comprehensive, hassle-free warranty for your peace of mind.

AURAWATT is more than just an inverter; it's a reliable partner for your energy independence.



WHY AURAWATT



AURAWATT PAN INDIA SERVICE NETWORK



**Smart AI Control for
Solar, Battery & Grid**



**Over 10 Years of Service Experience
with Over 50+ Service Team
Engineers PAN India**



**8 Years of Standard
Warranty depicting
strong product
quality**



**End-to-End Support
with Subsidy & Fast Install**



AURAWATT SP SERIES

AW-SP 3000 to 12000 Series

IP66

LFP/
VRLA

1-3
MPPTs

Fast 230A Charging

Quick 230A charging and discharging reduce wait times, enhancing efficiency

Flexible Paralleling

Easily expandable with paralleling capabilities for diverse scenarios

Smart Monitoring via Mobile App

Remote monitoring for convenient operation



Low Voltage Wake-Up

Battery forced wake-up during lower improved stability and extended generation duration

200% Overload Tolerance

Supports 2x the transient overload for greater reliability

IP66 Rating Design

Dustproof and waterproof design ensures long equipment life

Model	3kW	6kW	8kW	10kW	12kW
Battery Data					
Battery Type	Lithium-ion & Lead-acid				
Rated Battery Voltage (Vdc)	48				
Battery Voltage Range (Vdc)	40-60				
Max. Charge/Discharge Current (A)	80/100	125/135	180/180	200/200	230/230
Forced Wake-up by PV	Yes				
PV Input					
Max. Input Power (W)	8000	12000	12000	15000	18000
Max. Input Voltage (Vdc)	500				
Rated Input Voltage (Vdc)	370				
Start-Up Voltage (Vdc)	-		100		
MPPT Voltage Range (Vdc)	60-450		100-425		
No. of MPPT / Strings Per MPPT	1/2		3/2+1+1		
Max. Input Current Per MPPT (A)	28		28/16/16		
Max. Short Circuit Current Per MPPT (A)	35		44/25/25		
Grid Input & Output					
Rated Grid Voltage (Vac)	220/230/240 ±5%		L/N/PE, 230		
Rated Grid Frequency (Hz)	50/60		50		
Rated Grid-Tied Power (W)	-		8000	10000	12000
Rated Grid-Tied Current (A)	-		34.8	43.5	52.2
Max Grid-Tied Apparent Power (VA)	-		8800	11000	13200
Max Grid-Tied Current (A)	-		40	50	60
Max Input Apparent Power (VA)	-		12000	15000	18000
Max Input Current (A)	26	40	52.2	65.2	78.3
Total Harmonic Distortion (THDI)	<3%				
Displacement Power Factor	-		0.8 leading to 0.8 lagging		
Backup Data					
Rated Output Power (W)	3000	6000	8000	10000	12000
Rated Output Current (A)	18	27	34.8	43.5	52.2
Rated Output Frequency (Hz)	50/60 ±0.1%		50		
Overload Capability	1min@101-110%, 10s@110%-150%, 5s@150%-200%, 100ms@ > 200%		110%, continuous; 200%, 10s		
Switch Time (ms)	<10				
Total Harmonic Distortion (THDV)	<3%				
Efficiency					
Max. Efficiency	97.00%		97.80%		
MPPT Efficiency	99.90%				
Protection					
Integrated	PV Reverse-polarity Protection, PV Insulation Detection, Ground Fault Monitoring, Over Current Protection, Over Voltage Protection				
Surge Protection	DC Type II/AC Type II				
Over Voltage Category	OVC II (DC), OVC III (AC)		DC Type II/AC Type III		
General Data					
Operating Temperature (°C)	-40~+60 (Above 45°C Derating)		-25 to +60 (Above 45°C Derating)		
Dimensions [W*H*D] (mm)	395*485*156		450*570*268		
Weight (kg)	14.5		39		
Topology	Non-Isolated		Transformerless		
Altitude (m)	≤3000				
Protection Level	IP66				
Communication	RS232/RS485/CAN/Dry contact/ External battery NTC/ Parallel communication/WIFI(optional)		RS485, WIFI/GPRS, CAN2.0		
Warranty	8 Years (Standard) / 10 Years (Optional)				
Max. No. of Parallel Units	-		6		
Standards					
Grid Standards	-		VDE-AR-N 4105, VDE V 0126-1-1, CEI 0-21, G98G99/, EN 50438/EN50549, NRS 097		
Safety Standards	IEC 62109-1:2010, EN 62109-1:2010, IEC 62109-2:2011, EN 62109-2:2011		IEC/EN 62109-1, IEC/EN 62109-2		
EMC Standards	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN 61000-3-12:2011, EN IEC 61000-3-11:2019				



AURAWATT TP-L SERIES

AW-TP 8000-L to 12000-L Series

8-12 kW

LFP/
VRLA

2
MPPTs

Fanless Silent Design

Whisper-quiet operation with fanless design for a noise-free environment

150% Overload Tolerance

Supports 1.5x the transient overload for greater reliability

Flexible Paralleling

Easily expandable with paralleling capabilities for diverse scenarios



110% Unbalanced Load Support

Supports 110% unbalanced loads in complex electrical environments

IP66 Rating Design

Dustproof and waterproof design ensures long equipment life

Smart Monitoring via Mobile App

Remote monitoring for convenient operation



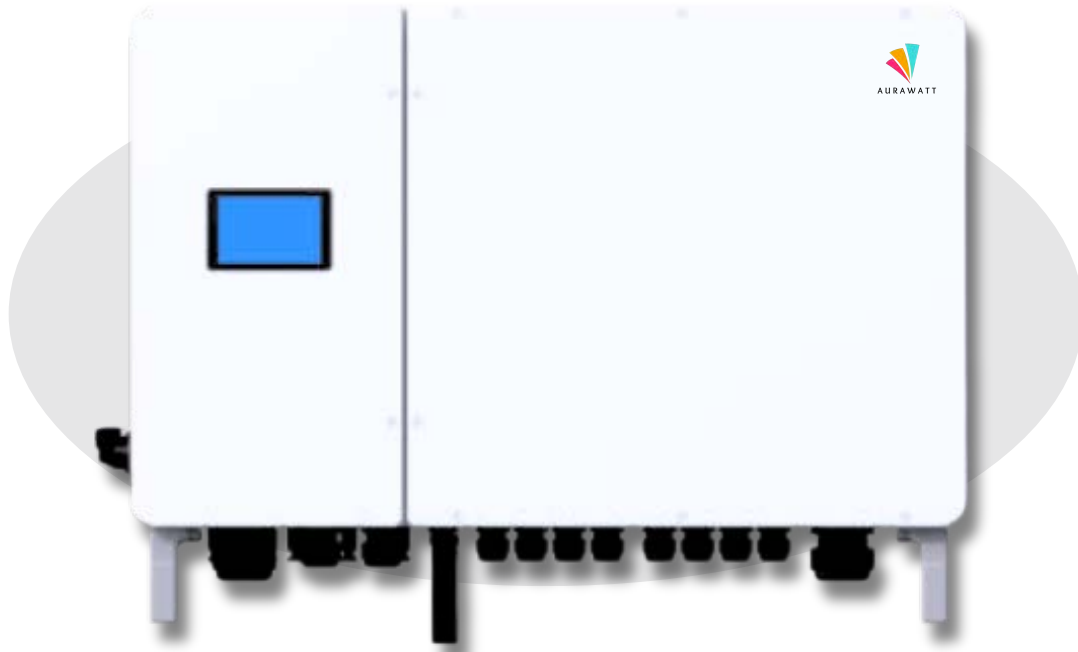
Model	8kW	10kW	12kW
Battery Data			
Battery Type	Lithium-ion & Lead-acid		
Rated Battery Voltage (Vdc)	400		
Battery Voltage Range (Vdc)	135-800		
Max. Charge/Discharge Current (A)	33/33		
PV Input			
Max. Input Power (W)	12000	15000	18000
Max. Input Voltage (Vdc)	1000		
Rated Input Voltage (Vdc)	600		
Start-Up Voltage (Vdc)	120		
MPPT Voltage Range (Vdc)	180-900		
No. of MPPT / Strings Per MPPT	2/1+1		
Max. Input Current Per MPPT (A)	16/16		
Max. Short Circuit Current Per MPPT (A)	20/20		
Grid Input & Output			
Rated Grid Voltage (Vac)	3L/N/PE, 400		
Rated Grid Frequency (Hz)	50		
Rated Grid-Tied Power (W)	8000	10000	12000
Rated Grid-Tied Current (A)	11.6	14.5	17.4
Max Grid-Tied Apparent Power (VA)	8800	11000	13200
Max Grid-Tied Current (A)	13.4	16.7	20
Max Input Apparent Power (VA)	8800	11000	13200
Max Input Current (A)	13.4	16.7	20
Total Harmonic Distortion (THDI)	<3%		
Displacement Power Factor	0.8 leading to 0.8 lagging		
Backup Data			
Rated Output Power (W)	8000	10000	12000
Rated Output Current (A)	11.6	14.5	17.4
Rated Output Frequency (Hz)	50		
Overload Capability	110%, continuous, 150%, 10s		
Switch Time (ms)	<=10		
Total Harmonic Distortion (THDv)	<3%		
Efficiency			
Max. Efficiency	97.80%	98.00%	98.40%
Euro Efficiency	97.10%	97.30%	97.30%
MPPT Efficiency	99.90%		
Protection			
Integrated	PV Reverse-polarity Protection, PV Insulation Detection, Ground Fault Monitoring, Over Current Protection, Over Voltage Protection, Leakage protection		
Surge Protection	DC Type II/AC Type II		
Over Voltage Category	DC Type II/AC Type III		
AFCI	Optional		
General Data			
Operating Temperature (°C)	~25 to +60 (Above 45°C Derating)		
Dimensions [WHD] (mm)	565 x 465 x 197		
Weight (kg)	31		
Topology	Transformerless		
Cooling	Natural Cooling		
Altitude (m)	<=3000		
Protection Level	IP66		
Communication	RS485, WiFi/GPRS, CAN2.0		
Warranty	8 Years (Standard) / 10 Years (Optional)		
Max. No. of Parallel Units	6		
Standards			
Grid Standards	VDE-AR-N 4105, VDE0126-1-1, EN50549, CEI 0-21/16, EIFS, PSG, TOR		
Safety Standards	IEC/EN 62109-1, IEC/EN 62109-2		
EMC Standards	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN 61000-3-12:2011, EN IEC 61000-3-11:2019		



AURAWATT

TP-H SERIES

AW-TP 15000-H to 50000-H Series



15-50
kW

LFP/
VRLA

4
MPPTs

Fanless Silent Design

Whisper-quiet operation with fanless design for a noise-free environment

150% Overload Tolerance

Supports 1.5x the transient overload for greater reliability

Flexible Paralleling

Easily expandable with paralleling capabilities for diverse scenarios

110% Unbalanced Load Support

Supports 110% unbalanced loads in complex electrical environments

IP66 Rating Design

Dustproof and waterproof design ensures long equipment life

Smart Monitoring via Mobile App


Remote monitoring for convenient operation


Model Name	15kW	20kW
Off-grid Output		
Rated Output Power	15kW	20kW
Peak Power & Duration	16.5kVA (60s)	22kVA (60s)
Rated Voltage	3/N/PE, 220/380Vac, 230/400Vac	
Rated Frequency	50/60Hz	50/60Hz
Rated Output Current	22.5A	30A
Output THDu	<3%	
On-grid Parameter		
Rated Output Power	15kW	20kW
Max. Input Power from Grid	30kW	40kW
Max. Input Current from Grid	44A	58A
Max. Output Current	24A	32A
Rated Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Grid Voltage Range	184-276/320-480V	
PV Input		
Max. Input Power	30000Wp	30000Wp
Max. Input Voltage	1000V	
Number of MPPT	2	
Input String Max. Per MPPT	2	
MPPT Voltage Range	130-960V	
Rated Input Voltage	600V	
Starting Voltage	200V	
Max. Input Current	25A/25A	
Short-Circuit Current	30A/30A	
Battery Parameter		
Number of Battery Input	2	
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion (optional)	
Battery Voltage Range	125-800V	
Full Load Battery Voltage Range	300-800V	400-800V
Battery Charge/Discharging Current	25A*2	
Peak Charging/Discharging Current-Duration	35A*2-60s	
Efficiency		
Max. Efficiency	98.20%	
European Efficiency	97.70%	
Max. Battery Charging/Discharging Efficiency	97.80%	
General Data		
Size (W*H*D)	573mm*509mm*219mm	
Weight	35kg	
Noise	<45dB	
Operating Altitude	5000m (>3000m Derating)	
Operating Temperature	-25°C ~ +60°C	
Cooling Method	Intelligent Air Cooling	
Ingress Protection Grade	IP65	
Monitoring	LED/WIFI/4G/Bluetooth/RS485	
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port	
Protection	DC Switch; AC Overvoltage Protection; AC Overcurrent Protection; AC Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; PV Insulation Resistance Detection; SPD Protection (Level 2 PV & Battery); Reverse Polarity Protection; Lightning Protection	
Certification		
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920	
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, PEA, MEA, IEC 62116, IEC 61727 NRS 097-2-1, AS 4777.2, R25,UNE217001, UNE217002, NTS 2.1, NC RfG	


Model Name	25kW	30kW	50kW
Off-grid Output			
Rated Output Power	25kW	30kW	50kW
Max. Apparent Power	27.5kVA	33kVA	55kVA
Rated Voltage	3L/N/PE, 220/380V; 230/400V		
Rated Frequency	50Hz/60Hz		
Rated Output Current	36.3A	43.5A	72.5A
Max. Output Current	39.9A	47.9A	79.8A
Peak Power & Duration	150%(10s)		
Generator Input Current	150A		
THDu	<3%		
On-grid Parameter			
Rated Output Power	25kW	30kW	50kW
Rated Grid Voltage	3L/N/PE, 220/380V; 230/400V		
Rated Grid Frequency	50Hz/60Hz		
Rated Output Current	36.3A	43.5A	72.5A
Grid Input Current	150A		
PV Input			
Max. DC Input Power	75000W		
Max. Input Voltage	1000V		
Rated Input Voltage	600V		
Starting Voltage	180V		
MPPT Voltage Range	150-850V		
Max. Input Strings Per MPPT	4/8		
Max. DC Input Current	4*40A		
Short-circuit Current	4*60A		
Battery Parameter			
Battery Type	Lithium-ion/Lead-acid/Sodium-ion		
Battery Voltage Range	140-800V		
Max. Charging/Discharging Power	25kW	30kW	50kW
Max. Charging/Discharging Current	80A*2		
Number of Battery Input Ports	2		
Efficiency			
Max. Efficiency	98.60%		
European Efficiency/CEC Efficiency	97.97%		
Max. Battery Charging/Discharging Efficiency	98%		
General Data			
Size (W*H*D)	850mm*550mm*295mm		
Weight	88kg		
Noise	55dB		
Topology	Non-isolated		
Operating Temperature	-25°C~+60°C		
Operating Altitude	4000m (>3000m Derating)		
Humidity Range	0-100%		
Ingress Protection Grade	IP66		
Cooling Method	Intelligent Air Cooling		
Monitoring	LED+Bluetooth+APP, WIFI/LAN/4G		
Communication Port	RS4851, Internet/WIFI/4G, DI2, AI1, AD1, DRM*1		
DC Power	12VDC 2A		
Protection	DC Switch, Reverse Polarity Protection, AC Overvoltage/Overcurrent/Short Circuit Protection, Anti-islanding Protection, Residual Current Monitoring, Insulation Resistance Protection, Surge Protection: DC Type II / AC Type III; AFD(Optional); PID(Optional)		



Get in Touch

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Your Power Partner