

AMS Series

For Savings & Backup



Off-Grid Inverters



AMS range is a solar inverter range that intelligently uses grid and solar power. With ability to operate in a wide voltage range, AMS is the ideal starter solar solution for homes.



3 User Settable Saving Modes



Max Capacity Utilization



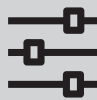
Informative LED/LCD Display



Powerful Charging on Low Voltage



3 Years Warranty



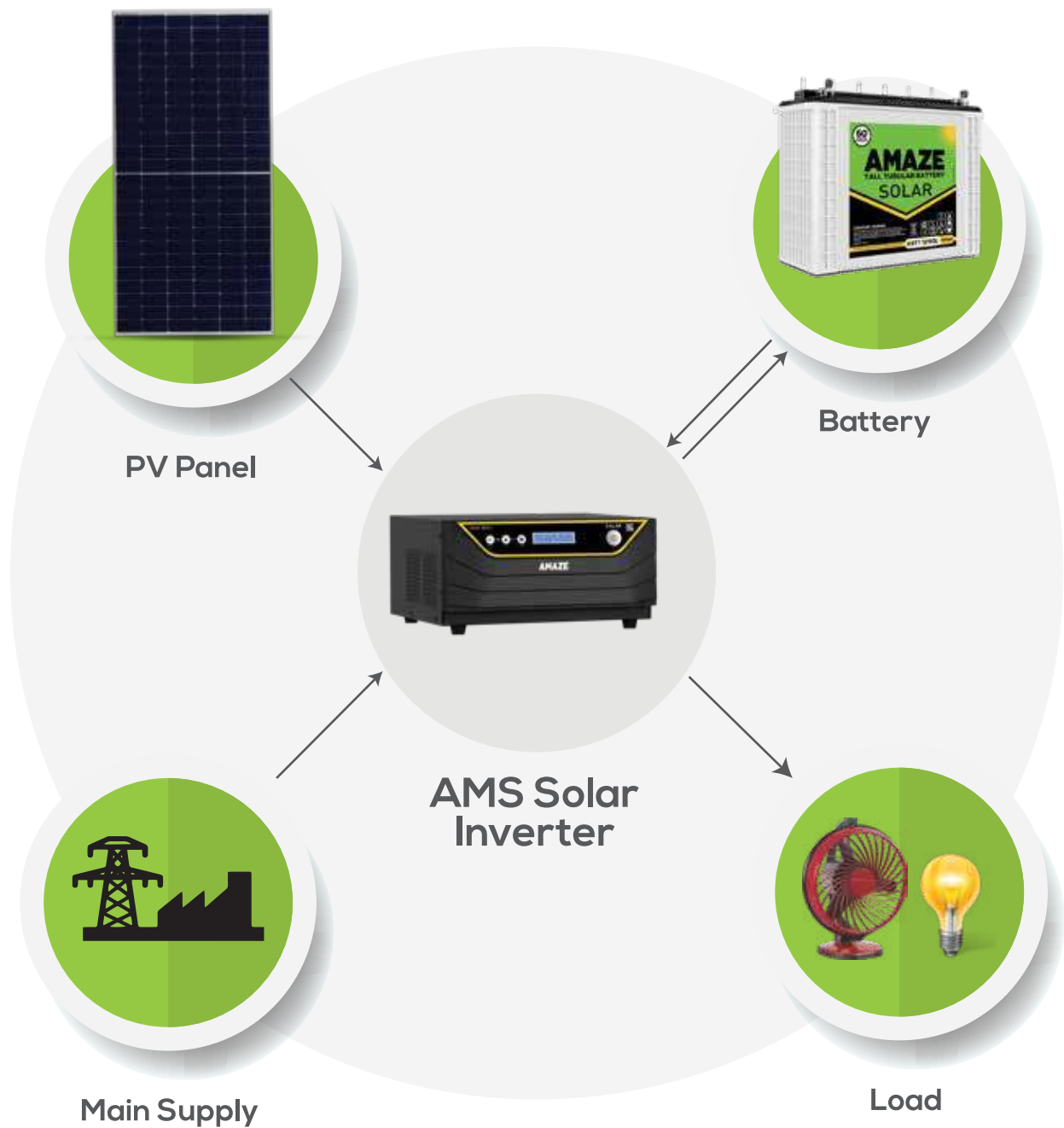
New Saving modes



Max Capacity Utilization

Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)
Solar Inverter	Solar Battery	PV Panel Watt	
AMS 875e	150Ah x 1	170Wp x 3 Nos	3(P)
AMS 1175e	150Ah x 1	170Wp x 5 Nos	5(P)
AMS 1475e	150Ah x 1	170Wp x 6 Nos	6 (P)
AMS 1875e	150Ah x 2	590Wp x 3 Nos	3 (P)
AMS 2375	150Ah x 2	590Wp x 4 Nos.	4 (P)
AMS 2375	150Ah x 2	635Wp x 3 Nos.	3 (P)



Technical Specifications

Model Name	AMS 875e	AMS1175e	AMS1475e	AMS1875e	AMS 2375
Nominal Battery Voltage (Vdc)	1	1	1	2	2
Capacity (VA)	500VA	850VA	1100VA	1500VA	2000VA
Output Waveform	Sine wave				
SOLAR PHOTOVOLTAIC INPUT					
Charge Controller Type	PWM				
Charge Controller Rating	30A	50A	60A	40A	55A
Maximum PV Power	500Wp	850Wp	1100Wp	1500Wp	2000Wp
Input Voltage Range (Voc)	18V-25V	18V-25V	18V-25V	36V-60V	36V-60V
GRID INPUT					
Operating Voltage Range	90V-290 V				
GRID OUTPUT					
No Load Output	230V +/- 10V				
Output frequency battery mode	50 Hz +/- 0.5Hz				
Inverter Efficiency	>80%				
USER SELECTABLE SWITCHES					
Mode Selections	Solar/Solar+Grid/Grid+Solar				
Battery Type Selections	Tubular/Flat Plate/SMF				
MAINS CHARGING CURRENT					
Solar Mode	0A*				
Solar + Grid Mode	10A±2A		15A±2A		
Grid + Solar Mode	15A±2A		20A±2A		
BATTERY					
No. of Batteries	1			2	
Battery Charging Current	0A,10A,15A		0A,15A,20A		
Type of Battery Supported	Tubular/Flat Plate/SMF				
PROTECTIONS					
Overload	>105%				
Protections	Short circuit, Overload, Over temperature, Low Battery, No Load Shutdown				
Indications	Mains Available, Solar Charging, Grid Charging, Power Saving, System On, Low Battery, Overload				
DISPLAY INDICATIONS	LED INDICATIONS			LCD DISPLAY	
System ON indication	System ON LED Steady			Mains Available, Power Saving, Solar Current, Solar Power, System On, Grid Charging, Low Battery, Overload, No Load Shutdown	
Mains ON indication	ON Mains LED steady				
Charging ON indication	ON Mains LED steady + CHG. LED Steady				
Low battery pre-alarm indication	System ON LED Steady + Battery Low LED Blinking				
Low battery indication	Battery Low LED Steady				
Battery Charged Indication	ON Mains LED steady + CHG. LED Off				
Overload Indication	Overload LED Steady				
Short circuit indication in UPS mode	Overload LED Blinking/(ON Mains & Overload LED) Blinking				
DC overload indication	ON Mains LED + Charge LED Blinking				
Thermistor Open/Short Indication	ON Mains LED & Overload LED Steady				
Output Feedback open/Reverse	ON Mains LED & Overload LED Blinking				
Battery Charging Through Solar	Solar Charging LED Blinking				
Power Saving Mode	Power Saver Steady + Solar Chg. LED Blinking/Steady				
Battery Charging Through Solar + Mains	ON Mains LED + Charge LED Steady + Solar Charging LED Blinking				
No Load Shutdown	System ON LED Blinking				
Solar Over Current	Solar Charging LED Blink Faster				
GENERAL					
Net Weight (kg)	8.2 kg	11.8 kg	16.5 kg	17.1 kg	18.5 kg
Gross Weight (kg)	9.7 kg	13 kg	17.8 kg	18.5 kg	20 kg
Dimensions LxWxH (mm)	320x302x130 mm			320x275x150 mm	

Technical specifications are subject to change without prior notice.

AMS PRO series

With Proven MPPT Technology



AMS PRO is an intelligent solar inverter which comes with in-built MPPT technology helping in converting 30% more power from solar panels as compared to PWM charge controllers.



3 User Settable Saving Modes



Max Capacity Utilization



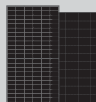
Powerful Charging on Low Voltage



Informative LCD Display



3 Years Warranty



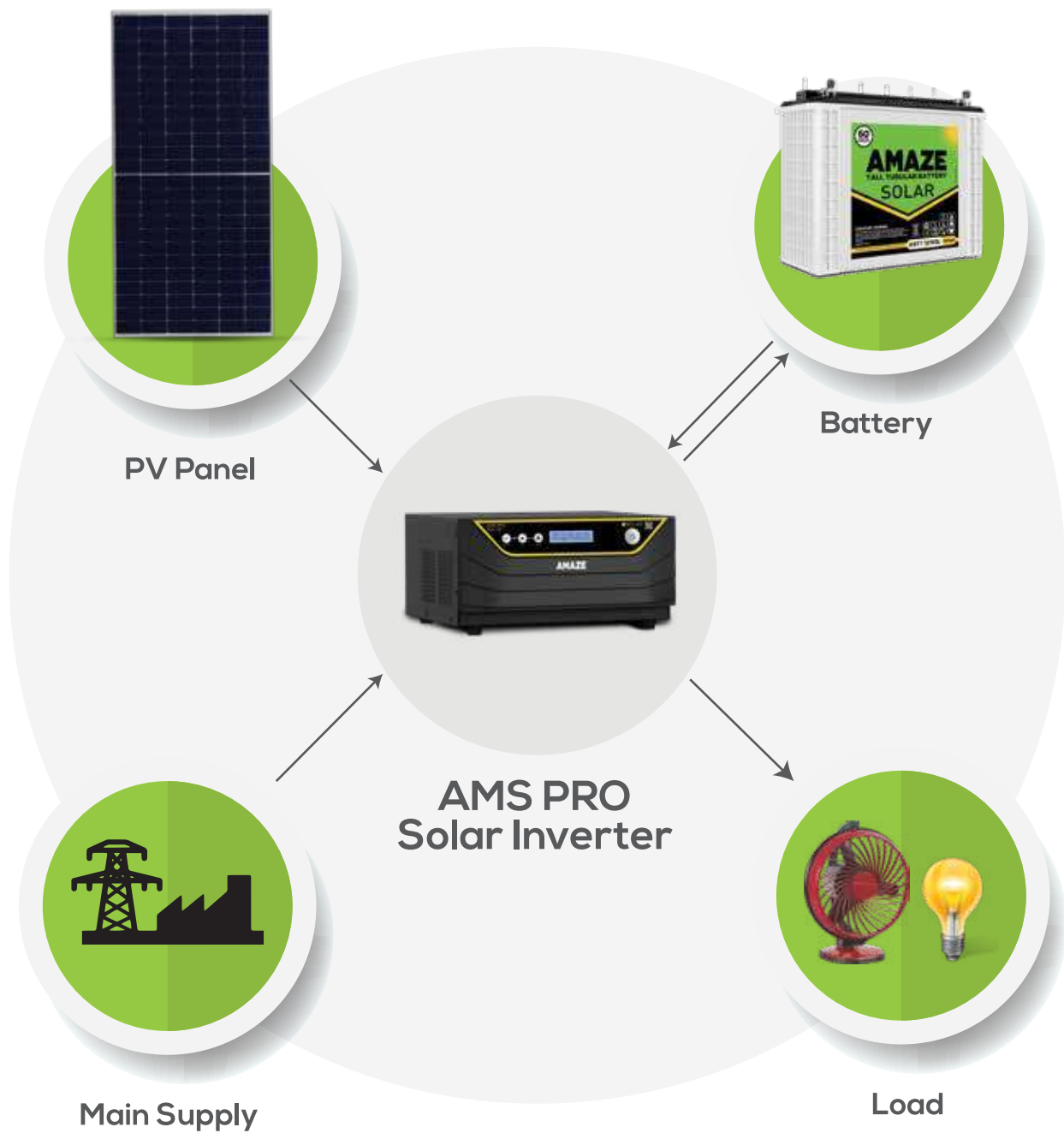
Compatible with both 12V & 24V Solar Panels



Max Capacity Utilization

Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)
Solar Inverter	Solar Battery	PV Panel Watt	
AMS PRO 1KVA/12V	150Ah x 1	590Wp/635Wp x 2 Nos	2 (P)



Technical Specifications

Model Name	AMS PRO 1KVA/12V
Nominal Battery Voltage (Vdc)	12V
Capacity (kVA)	1 kVA
Output Waveform	Pure Sine Wave
SOLAR PHOTOVOLTAIC INPUT	
Charge Controller Type	MPPT
Maximum PV power	1000Wp
Input Voltage range (Voc)	35V-55V
GRID INPUT	
Operating Voltage Range	90V-290V
GRID OUTPUT	
No Load Output	230V +/- 10V
Output frequency battery mode	50 Hz +/- 0.5Hz
Inverter Efficiency	>80%
USER SELECTABLE FROM FRONT SWITCH	
Mode Selections	Solar/Solar+Grid/Grid+Solar
Battery Type Selections	Tubular/SMF/Flat
No Load Shutdown	Enable/Disable
MAINS CHARGING CURRENT	
Solar Mode	0A*
Solar + Grid Mode	15A±2A
Grid + Solar Mode	20A±2A
BATTERY	
No. of Batteries	1
Battery Charging Current from Solar	30A±2A
Battery Charging Current from Grid	0A/15A/20A
Type of Battery Supported	Tubular/SMF/Flat
PROTECTIONS	
Overload	>102%
Protections	Short circuit, Overload, Over temperature, Low Battery, No Load Shutdown
Alarms	Battery low pre-alarm, Battery low, Short-circuit, Overload, Faults
LCD DISPLAY	
LCD Display Messages	Mains Available, Power Saving, Solar Current, Solar Voltage, Solar Power, System On, Grid Charging, Low Battery, Overload, No Load Shutdown
ENVIRONMENT	
Ambient operating temperature	0-45°C
Storage Temperature	0-50°C
Humidity	Upto 95%(Non-Condensed)
Cooling system	Forced Cooling
STANDARD COMPLIANCE	
Certifications	BIS certified as per IS/IEC standards
GENERAL	
Net weight (Kg)	14.1 kg
Gross weight (Kg)	15.5 kg
Dimensions LxWxH (mm)	356 X 320 X 138 mm

Technical specifications are subject to change without prior notice.