



Uninterrupted *power*
Uninterrupted *possibilities*



ABOUT VAMA

Vama Inverters is a forward integration plan for Goldi Solar. Considering the quality of our solar panels, we understood the need to come up with efficient on-grid solar inverters to power multiple households/industrial equipments.

SINGLE PHASE

This new-age compact on-grid solar inverter has a compact design ideal for homes and office spaces. It offers easy installation and world-class quality components for a better design life.



THREE PHASE

This iconic jewel offers limitless power and has a compact, lightweight design for easy installation. It also offers a remote monitoring facility through a smartphone or web portal.



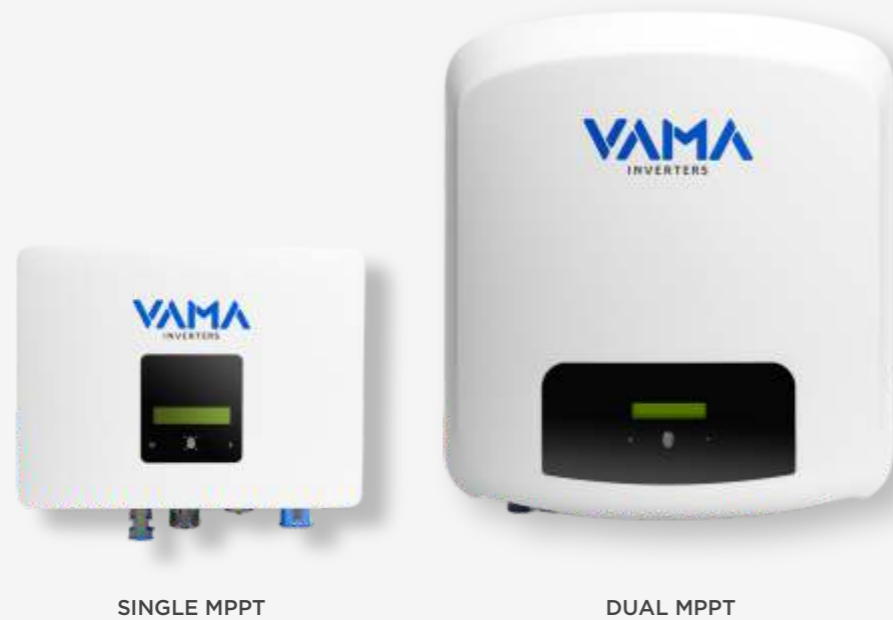
ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform

VM SERIES

SINGLE PHASE

VM-2K-S | VM-2.5K-S | VM-3K-S | VM-3.3K-S
 VM-4.6K-S | VM-5K-S | VM-5.3K-F | VM-6K-S



SINGLE MPPT

DUAL MPPT

Harness the power of the sun with precision and efficiency. Our cutting-edge technology maximizes energy capture from your solar panels, ensuring optimal performance. Experience seamless integration and reliable energy conversion with our Single Phase MPPT Solar Inverter.

Higher MPPT Current 14 Amps	Maximum Efficiency Upto 97.40%	Low Start-up Voltage	Overloading Upto 1.4 Times Depending On Rating	AC & DC Surge Protection
LCD Display For Monitoring	Smart Online Monitoring With WiFi/GPRS	Transformer-Less Design For Safety & Reliability	IP65 Protection Level	Compact Design & Light Weight

TECHNICAL SPECIFICATIONS

MODEL	VM-2K-S	VM-2.5K-S	VM-3K-S	VM-3.3K-S	VM-4.6K-S	VM-5K-S	VM-5.3K-S	VM-6K-S
RATINGS	2KW	2.5KW	3KW	3.3KW	4.6KW	5KW	5.3KW	6KW
INPUT	SINGLE MPPT				DUAL MPPT			
PV/DC Parameters								
Max. Recommended DC Power [W]	3000	3750	4500	4950	6900	7500	7950	9000
Max.DC Voltage [V]	500	500	500	500	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360	360
MPPT Voltage Range [Vdc]	50-480	50-480	50-480	50-480	80-550	80-550	80-550	80-550
Start-up Voltage [V]	60	60	60	60	120	120	120	120
Max. Input Current [A]	14	14	14	14	14/14			
Max. Short Circuit Current [A]	18	18	18	18	18/18			
No. of MPP Trackers	1	1	1	1	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1+1	1+1	1+1	1+1
OUTPUT								
AC								
Nominal AC Power [W]	2000	2500	3000	3300	4600	5000	5300	6000
Rated Grid Voltage [Vac]	220/230/240							
Max. Apparent AC Power [VA]	2200	2750	3300	3300	5060*1	5500*2	5830	6000
Rated Grid Frequency [Hz]	50/60							
Max. AC Current [A]	9.6	12.0	14.3	14.3	22.0	23.9	25.3	26.1
Nominal AC Current [A]	8.7	10.9	13	14.3	20	21.7	23	26.1
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)							
Total Harmonic Distortion (THDI, Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY								
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%	97.40%	97.40%	97.40%
PROTECTION								
DC Reverse Polarity Protection	YES				YES			
Anti-Islanding Protection	YES				YES			
Insulation Monitoring	YES				YES			
Residual Current Monitoring	YES				YES			
AC Short Circuit Protection	YES				YES			
AC Output Over Voltage Protection	YES				YES			
AC Output Over Current Protection	YES				YES			
Surge Protection	Optional Type II(DC) / Type II(AC)				Optional Type II(DC) / Type II(AC)			
Temperature Protection	YES				YES			
AFCI Protection	Optional				Optional			
Integrated DC Switch	Optional				Optional			
STANDARD								
Safety	IEC 62109-1/2				IEC 62109-1/2			
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3				IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3			
Certification	IEC 61683/IEC 61727/IEC 62116/IEC 60068-2-1 /IEC 60068-2-2/ IEC 60068-2-14 /IEC 60068-2-30/IEC 60068-2-64				IEC 61683/IEC 61727/IEC 62116/IEC 60068-2-1 / IEC 60068-2-2/IEC 60068-2-14 /IEC 60068-2-30/ IEC 60068-2-64			
GENERAL DATA								
Dimensions (WxHxD) [mm]	290*220*116				402*453.5*148			
Weight [kg]	5.4				15.5			
Cooling Concept	Natural				Natural			
Topology	Non- Isolated				Transformerless			
Ingress Protection (according to IEC60529)	IP65				IP65			
Noise Emission (typical) [dB]	<30				<30			
Max. Operating Altitude [m]	3000				3000			
Operating Temperature Range	-25..... +60°C				-25..... +60°C			
Humidity	0-100% (No condensation)				0-100% (No condensation)			
Monitoring Module (optional)	External WIFI/GPRS(optional)				External WIFI/Lan/GPRS (optional)			
Self Consumption (night) [W]	<1				<1			
Communication	RS485,Meter,CT, ISO alarm				Meter, CT, DRM, RS485			
Display	LCD screen, Touch Key, App, Website				LCD screen, Touch Key, App,Website			
Warranty	Extended 10 Years* of Warranty (pls refer warranty policy for details)							

*Specifications are e subjected to change without prior notice
 *Check availability of GSM or wifi dongle before ordering
 *Standard warranty 7 years + 3 years extended repair warranty and 1 year on accessories against any manufacturing defects.

VM SERIES

THREE PHASE

VM-5K-T | VM-6K-T | VM-8K-T | VM-10K-T
VM-15K-T | VM-20K-T | VM-25K-T



DUAL MPPT

Harness the power of the sun with precision and efficiency. Our cutting-edge technology maximizes energy capture from your solar panels, ensuring optimal performance. Experience seamless integration and reliable energy conversion with our Three Phase MPPT Solar Inverter.

Higher MPPT Current 14 Amps	Maximum Efficiency Upto 98.60%	Low Start-up Voltage	Overloading Upto 1.4 Times Depending On Rating	AC & DC Surge Protection
LCD Display For Monitoring	Wi-Fi & GPRS Both Options Available	With DC Switch	Wide MPPT Voltage Range	Advanced DSP Control Technology

TECHNICAL SPECIFICATIONS

MODEL	VM-5K-T	VM-6K-T	VM-8K-T	VM-10K-T	VM-15K-T	VM-20K-T	VM-25K-T
RATINGS	5KW	6KW	8KW	10KW	15KW	20KW	25KW
INPUT	DUAL MPPT						
Max. Recommended DC Power [W]	7500	9000	12000	15000	22500	30000	37500
Max.DC Voltage [V]	1100	1100	1100	1100	1100	1100	1100
Nominal DC Operating Voltage [V]	600	600	600	600	600	600	600
MPPT Voltage Range [Vdc]	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000
Start-up Voltage [V]	140	140	140	140	140	140	140
Max. Input Current (Input A/Input B) [A]	14/14	14/14	14/14	14/14	28/28	28/28	28/28
Max. Short Circuit Current (Input A/Input B) [A]	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	36.4/36.4	36.4/36.4	36.4/36.4
No. of MPP Trackers	2	2	2	2	2	2	2
Strings Per MPP Tracker	1+1	1+1	1+1	1+1	2+2	2+2	2+2
OUTPUT							
Nominal AC Power [W]	5000	6000	8000	10000	15000	20000	25000
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 220V/380V, 230V/400V 240V/415V						
Max. Apparent AC Power [VA]	5500	6600	8800	11000	16500	22000	27500
Rated Grid Frequency [Hz]	50/60						
Nominal AC Current [A]	7.2	8.7	11.6	14.5	21.7	29	36.2
Max. AC Current [A]	8	9.6	12.8	15.9	23.9	31.9	39.9
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)						
Total Harmonic Distortion (THDi, @rated Output)	<3%						
EFFICIENCY							
MPPT Efficiency [%]	99.8						
Euro-efficiency [%]	97.8						
Max. Efficiency (@rated voltage) [%]	98.6						
PROTECTION							
DC Reverse-polarity Protection:	YES						
Insulation Monitoring:	YES						
Anti-islanding Protection:	YES						
Residual Current Monitoring:	YES						
AC Short Circuit Protection:	YES						
AC Output Over Current Protection:	YES						
AC Output Over Voltage Protection:	YES						
Temperature Protection:	YES						
Surge Protection:	Type II(DC) / Type II(AC)						
Integrated DC Switch:	YES						
AFCI Protection	Optional						
String Level Monitor	YES			Optional			
STANDARD							
Safety	IEC62109-1/2						
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC 61000-6-4						
Certification	IEC 61683/IEC 61727/IEC 62116/IEC 60068-2-1 /IEC 60068-2-2/IEC 60068-2-14 /IEC 60068-2-30/IEC 60068-2-64						
GENERAL DATA							
Dimensions (WxHxD) [mm]	370*480*183.5						
Net Weight [kg]	17			20		21	
Cooling Concept	Natural			Fan			
Protective class	I						
Topology	Transformerless						
Degree of Protection (according to IEC60529)	IP65						
Over Voltage Category	II (AC side), II (PV side)						
Noise [dB]	<30			<55			
Operating Temperature Range [°C]	-25 +60(derating at +45)						
Storage Temperature Range [°C]	-40..... +70						
Altitude[m]	3000						
Humidity	0-100% (no condensation)						
Self Consumption (night) [W]	<3						
Pollution Degree	II						
Monitoring Module (optional)	Rs485, WIFI (optional) / GPRS (optional)						
Communication	Meter, DRM, USB update, E-stop						
Display	LCD screen, Touch Key, App, Website						
Warranty	Extended 10 Years* of Warranty (refer warranty policy for details)						

*Specifications are subjected to change without prior notice
*Check availability of GSM or wifi dongle before ordering
*Standard warranty 7 years + 3 years extended repair warranty and 1 year on accessories against any manufacturing defects.



For more about the Inverters range
Visit: goldisolar.com/vama
Toll Free Number: 1800 833 5511