



SINGLE PHASE ON-GRID INVERTER

UDAY SERIES

RANGE: 1.1 kW - 6kW



PV input oversizing

➔ 150%

Max. PV input current

⚡ 20A

Protection Standard

💧 IP65

MPPT Efficiency

>99%

Key Features



Compatible with high watt peak panels Mono Perc, TOPCon & Bifacial



Fast installation, easy O&M



Type II SPD for both DC and AC



Remote monitoring, configuration and upgrade



Embedded Anti-Islanding Protection



Built-in zero export function (Optional)



Optional AFCI protection function

Appearance & Structural Optimization



Display Optimization

With 3 display lights and 4 operation buttons



Structural Optimization

Built with strong die-cast aluminum housing.



Bottom Optimization

Uses state-of-the-art touch buttons

Product Range

Phase	Kilowatt
Single	1.1kW
Single	2.2kW
Single	2.5kW
Single	2.7kW
Single	3kW
Single	3.3kW
Single	3.68kW
Single	4kW
Single	5kW
Single	6kW



TECHNICAL SPECIFICATIONS

Model	SS-GTI-1P 1.1KW-A1	SS-GTI-1P 2.2KW-A1	SS-GTI-1P 2.5KW-A1	SS-GTI-1P 2.7KW-A1	SS-GTI-1P 3KW-A1	SS-GTI-1P 3.3KW-A1	SS-GTI-1P 3.68K-A1	SS-GTI-1P 4K-A1	SS-GTI-1P 5K-A1	SS-GTI-1P 6K-A1
PV Input										
Max. Recommended PV Power [Wp]	1650	3300	3750	4050	4500	4950	5500	6000	7500	7500
Max. PV Input Voltage [V]	500			550			600			
MPPT Voltage Range [V]	45 ~ 550					80 ~ 550				
Rated PV Input Voltage [V]	360					360				
Start-up Voltage [V]	70					100				
No. of MPP Trackers	1					1				
No. of Input Strings per Tracker	1					1				
Max. PV Input Current [A]	18					20				
Max. Short-circuit Current [A]	23					25				
AC Output										
Rated AC Output Power [W]	1100	2200	2500	2700	3000	3300	3680	4000	5000	6000
Max. AC Output Apparent Power [VA]	1100	2200	2500	2700	3000	3300	3680	4400	5000	6000
Max. AC Output Current [A]	5	10	11.4	12.3	13.6	15	16	20	25	27.3
Rated AC Voltage [V]	L / N / PE, 220 / 230									
Grid Frequency [Hz]	50 / 60									
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging									
Output THDi (@Rated Output)	< 3%									
Efficiency										
Max. Efficiency	97.5%	97.5%	97.5%	97.6%	97.6%	97.6%	97.9%	97.9%	97.9%	97.9%
Euro Efficiency	96.9%	96.9%	96.9%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Protection										
DC Insulation Monitoring	Integrated									
Input Reverse Polarity Protection	Integrated									
Anti-island Protection	Integrated									
Residual Current Monitoring	Integrated									
AC Overcurrent Protection	Integrated									
AC Short-circuit Protection	Integrated									
DC Surge Protection	Integrated (Type II)									
AC Surge Protection	Integrated (Type II)									
AFCI Protection	Optional									
DC Switch	Optional									
General Data										
Dimensions (W * H * D) [mm]	290 * 220 * 119						353 * 320 * 150			
Weight [kg]	5.5						10			
Display	LED + OLED									
Communication	Optional: WiFi, 4G, Ethernet									
DC connection	MC4 Connectors									
Standards	BIS certified as per IS / IEC standards									
Mounting Method	Wall-mounting bracket									
Ambient Temperature Range [°C]	-25 ~ +60									
Relative Humidity	0 ~ 100%									
Operating Altitude [m]	≤ 2000									
Night Self-consumption [W]	< 1									
Topology	Transformerless									
Cooling	Natural									
Ingress Protection	IP65									
Noise [dB]	< 25									
Storage Temperature	-40°C to +70°C									

*T&C Apply



THREE PHASE ON-GRID INVERTER

UDAY SERIES

RANGE: 6kW - 50kW



PV input oversizing ➔ 150%	Max. PV input current ⚡ 20A /String	Protection Standard 💧 IP65	MPPT Efficiency >99%
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Key Features

Compatible with high watt peak panels Mono Perc, TOPCon & Bifacial

Fast installation, easy O&M

Type II SPD for both DC and AC

Remote monitoring, configuration and upgrade

Embedded Anti-Islanding Protection

Built-in zero export function (Optional)

Optional AFCL protection function

Appearance & Structural Optimization

 Display Optimization With 3 display lights and 4 operation buttons	 Structural Optimization Built with strong die-cast aluminum housing.	 Button Optimization Uses state-of-the-art touch buttons
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Product Range

Phase	Kilowatt
Three	6kW
Three	8kW
Three	10kW
Three	12kW
Three	15kW
Three	20kW
Three	25kW
Three	30kW
Three	40kW
Three	50kW



TECHNICAL SPECIFICATIONS

Model	SS-GTI-3P 6kW-A1	SS-GTI-3P 8kW-A1	SS-GTI-3P 10kW-A1	SS-GTI-3P 12kW-A1	SS-GTI-3P 15kW-A1	SS-GTI-3P 20kW-A1	SS-GTI-3P 25kW-A1	SS-GTI-3P 30kW-A1	SS-GTI-3P 40kW-A1	SS-GTI-3P 50kW-A1	
PV Input											
Max. Recommended PV Power [Wp]	9000	12000	15000	18000	22500	30000	37500	45000	60000	75000	
Max. PV Power for Single MPPT [Wp]	4500	6000	7500	9000	8000	12000	15000	20000	20000	20000	
Max. PV Input Voltage [V]	1100										
MPPT Voltage Range [V]	140 ~ 1000				180 ~ 1000			180 ~ 1000			
Rated PV Input Voltage [V]	600										
Start-up Voltage [V]	160				200						
No. of MPPT Trackers	2						3		4		
No. of Input Strings per Tracker	1 / 1				2 / 2			2 / 2 / 2		2 / 2 / 2 / 2	
Max. PV Input Current [A]	16 / 16				40 / 40			40 / 40 / 40		40 / 40 / 40 / 40	
Max. Short-circuit Current [A]	20 / 20				50 / 50			50 / 50 / 50		50 / 50 / 50 / 50	
AC Output											
Rated AC Output Power [W]	6000	8000	10,000	12,000	15000	20000	25000	30000	40000	50000	
Max. AC Output Apparent Power [VA]	6600	8800	11000	13200	16500	22000	27500	33000	44000	55000	
Max. AC Output Current [A]	10	13.4	16.7	20	25	33.4	41.7	50	66.6	83.3	
Rated AC Voltage [V]	3 / N / PE, 220 / 380, 230 / 400										
Grid Frequency [Hz]	50 / 60										
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging										
Output THDi (@Rated Output)	< 3%										
Efficiency											
Max. Efficiency	98.4%	98.5%	98.5%	98.5%	98.6%	98.6%	98.6%	98.6%	98.8%	98.8%	
Euro Efficiency	97.5%	98.0%	98.0%	98.0%	98.2%	98.2%	98.2%	97.8%	98.0%	98.0%	
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	
Protection											
DC Insulation Monitoring	Integrated										
Input Reverse Polarity Protection	Integrated										
Anti-island Protection	Integrated										
Residual Current Monitoring	Integrated										
AC Overcurrent Protection	Integrated										
AC Short-circuit Protection	Integrated										
String Current Monitoring	Integrated										
DC Surge Protection	Integrated (Type II)										
AC Surge Protection	Integrated (Type II)										
AFCI Protection	Optional										
PID Recovery Function	Optional										
DC Switch	Integrated										
General Data											
Dimensions (W * H * D) [mm]	428 * 385 * 185				520 * 412 * 200			585 * 480 * 220			
Weight [kg]	15				22			37			
Display	LED + OLED										
Communication	RS485, USB Update, Optional: WiFi, 4G, Ethernet										
DC connection	MC4 Connectors										
Standards	BIS certified as per IS / IEC standards										
Mounting Method	Wall-mounting bracket										
Ambient Temperature Range [°C]	-25 ~ +60										
Relative Humidity	0 ~ 100%										
Operating Altitude [m]	≤ 2000										
Night Self-consumption [W]	< 1										
Topology	Transformerless										
Cooling	Natural				Fan						
Ingress Protection	IP65										
Noise [dB]	< 35										
Storage Temperature	-40°C to +70°C										

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