

# micromax

revolutionary energy solutions

# energy

## GRID-TIE STRING INVERTER

Range Available :  
**1KW - 60KW**



### Features :

- High efficiency
- Ultra wide input voltage range
- Precise MPPT algorithm
- Compact and light design for one-person easy installation
- IP65 visually pleasing for domestic environment
- Wi-Fi interface
- Numerous protection functions
- WiFi and monitoring app available
- 5 years standard warranty / 10 years optional upgrade

## GRID-TIE STRING INVERTER



### Electrical Performance

MODEL	MLGS 1K-S1A (1kW)	MLGS 1.5S1A (1.5kW)	MLGS 2K-S1A (2kW)	MLGS 3K-S1A (3kW)	MLGS 3.6K-S1B (3.6kW)	MLGS 5K-S1B (5kW)	MLGS 6K-T1C (6kW)	MLGS 10K-T1C (10kW)	MLGS 15K-T1C (15kW)	MLGS 20K-T1C (20kW)	MLGS 30K-T1C (30kW)	MLGS 40K-T1C (40kW)	Microlyte -50K (50kW)	Microlyte -60K- (60kW)	
<b>Input Side (DC)</b>															
Max. DC Power	1.2kWp	1.8kWp	2.4kWp	3.6kWp	4.32kWp	6kWp	7.2kWp	12kW	18kW	24kW	36kW	48kW	60kW	72kW	
Max. DC Input Voltage	450V	450V	500V	600V			1000V		1000V		1000V		1100V		
Start-up DC Input Voltage	>60V			>120V			>330V		>330V		>350V		>350V		>200V
MPPT Voltage Range	50-400V			100-500V			200-800V		200-800V		200-800V		200-1000V		
Max. Input Current	10A		2*10A	2*10A	2*15A	2*10A	2*18A	2*18A	4*18A	4*18A	4*18A	4*18A	4*28.5A	4*28.5A	
MPPT Number	1			2			2		2	4	4	4	4		
Max. Input Strings Number	1			2			2		4	8	8	8	12		
<b>Output Side (AC)</b>															
Rated Output Power	1kW	1.5kW	2kW	3kW	3.6kW	5kW	6kW	10kW	15kW	20kW	30kW	40kW	50kW	60kW	
Rated Grid Voltage	230V						400V	400V	400V	400V	400V	400V	400V	480V	
Grid Voltage Range	150~276V						320 ~ 480V		320 ~ 480V		320~480V	400~570	304~460V	384~576V	
Rated Grid Frequency	50 Hz						50 Hz		50 Hz		50 Hz	50 Hz	50/60 Hz		
Operating Phase	Single						Three		Three		Three	Three	Three		
Max. Output Current	6.1A	9.2A	12.2A	15.7 A	16 A	23.8 A	10.0A	16.7A	25A	28.7A	43.3A	48.1A	83.3A	80A	
Power Factor	±0.8						±0.8		±0.8		±0.8				
THDi	<3% at rated power						<3% at Rated Power		<3% at Rated Power		<3% at Rated Power				
DC Injection Current	<20mA						<20mA	<20mA	<50mA		<50mA				
Grid Frequency Range	45 Hz ~ 55 Hz						45 Hz ~ 55 Hz		45 Hz ~ 55 Hz		45 Hz ~ 55 Hz		47 Hz ~ 52 Hz or 57 Hz ~ 62 Hz		