

# MU5000 Series

High Frequency On Grid Solar Inverter  
2.5KW-6KW



## Product

MU5000 series PV inverters take full account of the needs of end customers, with excellent performance at the same time, use LED as inverter status display, effectively improve product life. Using DSP digital control, could afford wide grid voltage range, have a full range of protection features; to maximize the benefits at the same time, greatly enhance the reliability of the product.

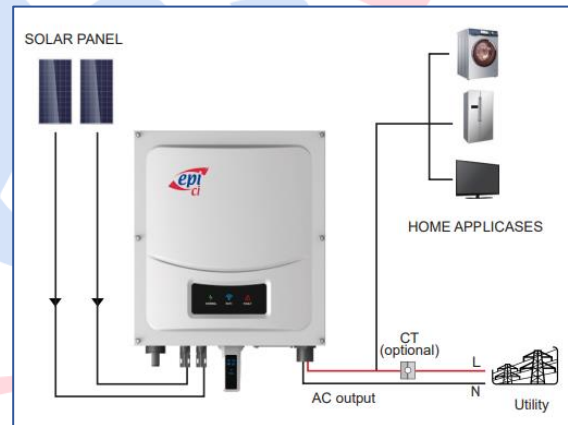
## Back panel printing description

Green LED	Continuous light	Normal status
	Flicker	Waiting status
Blue LED	Flicker	Wifi normal communication
	Continuous light	Fault status
Red LED	Flicker	Program of procedure or give an alarm



1. Operation normal (Green)
2. WIFI communication (Blue)
3. Error display (Red)
4. DC switch
5. PV input
6. WIFI connector
7. PC USB connector / RS-485

## Solar system connection



## Features

- High Frequency On Grid Solar Inverter
- Rate power: 2.5-6KW
- MPPT efficiency up to 99.50%
- Multiple communications: USB,WIFI etc
- Monitoring inverters freely via mobile phones APP
- Fanless low-noise design
- IP65 water-proof and dust-proof Cabinet

Model	MU50-2500	MU50-3000	MU50-3600M	MU50-4200M	MU50-4600M	MU50-5000M	MU50-6000M
Rated Power(W)	2500	3000	3600	4200	4600	5000	6000
<b>PV Input (DC)</b>							
Maximum recommended DC power(W)	2875	3450	4100	4800	5300	5750	7000
Nominal DC operating voltage(V)	360						
Maximum DC voltage(V)	550						
Start voltage(V)	100						
MPPT voltage range(V)	80~550						
Maximum input current(A)	11	11	11/11	11/11	11/11	11/11	11/11
No of MPP tracker	1			2			
Strings per MPP tracker	1						
<b>Grid Output (AC)</b>							
Nominal AC output power(W)	2500	3000	3600	4200	4600	5000	6000
Maximum AC output power (VA)	2500	3000	3600	4200	4600	5000	6000
Nominal output voltage(V); range (V)	220 / 230 / 240;180-280						
AC grid frequency (Hz); range (Hz)	50/60;45~55/55-65						
Nominal output current(A)	10.9	13	15.7	18.3	20.0	21.8	26.1
Maximum output current(A)	11.4	13.7	16.4	19.1	21.0	22.8	27.3
Total harmonic distortion I (THDi)	3.THDi@Full load &THDv <1%						
Power factor at rated power	1						
Displacement power factor	0.8leading ~ 0.8lagging						
AC connection	Single phase						
<b>Efficiency</b>							
Maximum efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%	97.4%
Euro-efficiency	96.8%	96.8%	97.0%	97.0%	97.0%	97.0%	97.0%
MPPT efficiency	99.5%						
Self-Consumption night(W)	<1						
<b>Protection</b>							
DC reverse polarity protection	Yes						
DC switch rating for each MPPT	Yes						
Output over current protection	Yes						
Output overvoltage protection-varistor	Yes						
Ground fault monitoring	Yes						
Grid monitoring	Yes						
Integrated all-pole sensitive leakage current	Yes						
<b>Physical</b>							
Dimension(W/H/D)(mm)	262*368*155	262*368*155	355*412*153	355*412*153	355*412*173	355*412*173	355*412*201
Net weight (kg)	10	10	13.5	13.5	14.5	14.5	16.5
<b>Interface</b>							
DC connection	H4/MC4						
AC connection	Connector						
Display	LED						
Communication interfaces	Wi-Fi / USB / GPRS						
<b>Environment</b>							
Ingress protection rating	IP65						
Humidity	0-100%						
Operating temperature range	-25°C ~+60°C With derating above 45°C						
Cooling concept	Natural						
Noise emission(typical)[dB]	≤25						
Altitude	<4000m						
<b>Others</b>							
Topology	transformerless						
Warranty	Standard 5years/10 years(opt.)						
Certificates and approvals	CE / IEC62109 / EN50549-1			CE / IEC62109 / CQC / EN50549-1			