

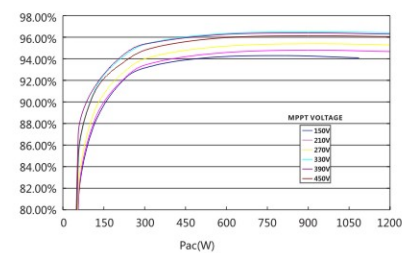


GrandGlow TL1000/1500/2000/3000/4000/5000 Single Phase 1D Series

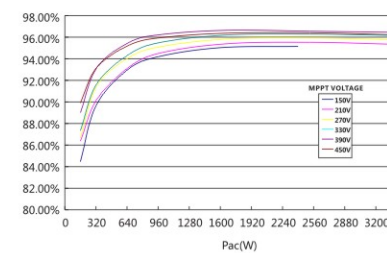
- Max efficiency to 98.5%
- Wide input voltage range, high efficient MPPT
- Multiple inverters can be operated in parallel
- Without insulated transformer, strong IP65 protection
- Small and light, easy to installation
- LCD display

Efficiency Curve:

GrandGlowTL1000

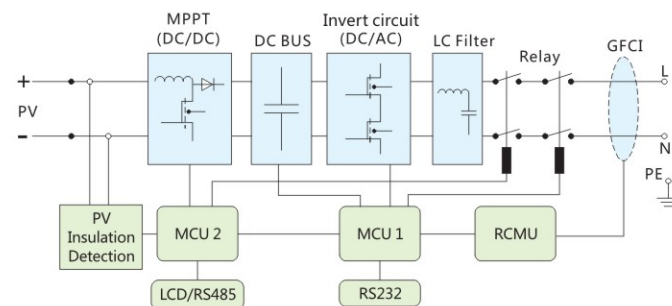


GrandGlowTL3000



The Topology Diagram:

GrandGlowTL1000-5000



DC INPUT

	GrandGlow TL1000	GrandGlow TL1500	GrandGlow TL2000	GrandGlow TL3000	GrandGlow TL4000	GrandGlow TL5000
Max.DC Input Power	1100W	1600W	2300W	3200W	4200W	5400W
Max. DC Input Voltage	450VDC	450V	450VDC	500VDC	500VDC	500VDC
Max. DC Input Current	9A	10A	11A	13A	21A	26A
MPPT Tracking Voltage Range	180-450VDC	180-450VDC	180-450VDC	180-500V	180-500VDC	180-500VDC
MPPT Tracking Number	1	1	1	1	1/2	1/2
Power Off/On Voltage	100V/200VDC	100V/200VDC	100V/200VDC	100V/200VDC	100V/200VDC	100V/200VDC

AC OUTPUT

Rated Power	1000W	1500W	2000W	3000W	4000W	5000W
Output Voltage Range	190-270VAC	190-270VAC	190-270VAC	190-270VAC	190-270VAC	190-270VAC
Rated Voltage	110V/230VAC	110V/230VAC	110V/230VAC	110V/230VAC	110V/230VAC	110V/230VAC
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Phase number	Single Phase L+N	Single Phase L+N	Single Phase L+N	Single Phase L+N	Single Phase L+N	Single Phase L+N
Power Factor	1	1	1	1	1	1
Max Current	4.5A	6.8A	9A	13.6A	18A	23A
Current THD (At Rated Power)	< 3.5%	< 3.5%	< 3.5%	<5%	<5%	<5%
Max Efficiency	97%/97.5%	97%/97.1%	97.2%/97.4%	97.3%/97.5%	97.5%/98%	97.6%/98%
Europe Efficiency	96%/96.5%	96%/96.1%	96%/96.2%	96.5%/97%	97%/97.2%	97.1%/97.3%
MPPT Efficiency	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%

Structure

Protection Degree	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Cooling Method	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling
Display	LCD	LCD	LCD	LCD	LCD	LCD
Isolation type	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Topology	No Transformer	No Transformer	No Transformer	No Transformer	No Transformer	No Transformer
Input Terminal	MC4	MC4	MC4	MC4	MC4	MC4
Output Terminal	AC Connector	AC Connector	AC Connector	AC Connector	Connect terminals	Connect terminals
Data Interfaces	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)

General Parameters

Noise	< 50dB	< 50dB	< 50dB	< 50dB	< 50dB	< 50dB
Night Power Consumption	0W	0W	0W	0W	0W	0W
Operation temperature Range	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)
Storage temperature	-25°C~60°C	-25°C~60°C	-25°C~60°C	-25°C~60°C	-25°C~60°C	-25°C~60°C
Relative humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%
Environment	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc
Altitude	2000m	2000m	2000m	2000m	2000m	2000m
Size (W*H*D) No protruding interface	295×300×150mm	295×300×150mm	295×330×150mm	335×365×140mm	405×415×190mm	405×415×190mm
Weight	9.0kg	9.0kg	9.5kg	14kg	22kg	22kg

Protection function

DC polarity reverse connection protection, Anti-island, input overvoltage, output over current, output short circuit, over heat, overload, ground fault, grid overvoltage/low voltage, grid high/low frequency, grid monitoring, RCD testing

Certification

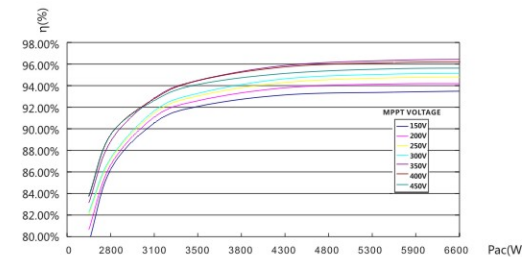
VDE-AR-N4105, VDE0126, EN 61000, IEC/EN 62109, G59, G83, AS4777, AS/NZS 3100, IEC60068, IEC61683 LVD DIRECTIVE 2014/35/EU



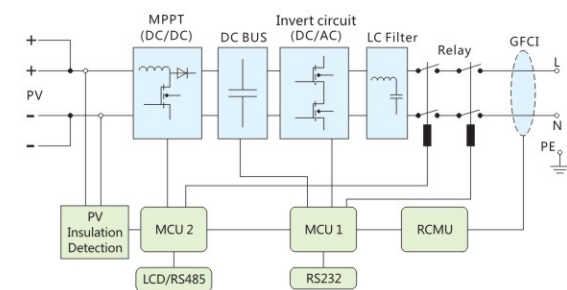
GrandGlow TL6000/8000/10000 Single Phase 1D Series

- Max efficiency to 98.5%
- Wide input voltage range, high efficient MPPT
- Multiple inverters can be operated in parallel
- Without insulated transformer, strong IP65 protection
- Easy installation and operation
- LCD display

Efficiency Curve: GrandGlowTL6000



The Topology Diagram: GrandGlowTL6000-10000



	GrandGlowTL6000	GrandGlowTL8000	GrandGlowTL10000
DC INPUT			
Max.DC Input Power	6500W	8700W	10900W
Max. DC Input Voltage	500VDC	500VDC	500VDC
Max. DC Input Current	28A	43A	50A
MPPT Tracking Voltage Range	180-500VDC	180-500VDC	180-500VDC
MPPT Tracking Number	1/2	1/2	1/2
Power Off/On Voltage	100V/200VDC	100V/200VDC	100V/200VDC
AC OUTPUT			
Rated Power	6000W	8000W	10000W
Output Voltage Range	190-270VAC	190-270VAC	190-270VAC
Rated Voltage	110V/230VAC	110V/230VAC	110V/230VAC
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Phase number	Single Phase L+N	Single Phase L+N	Single Phase L+N
Power Factor	1	1	1
Max Current	27A	36A	45A
Current THD (At Rated Power)	< 5% (Rated Power)	< 5% (Rated Power)	< 5% (Rated Power)
Max Efficiency	98%	98%	98%
Europe Efficiency	97%	97%	97%
MPPT Efficiency	99.5%	99.5%	99.5%
Structure			
Protection Degree	IP 20	IP 20	IP 20
Cooling Method	Intelligent Air Cooling	Intelligent Air Cooling	Intelligent Air Cooling
Display	LCD	LCD	LCD
Isolation type	Non-isolated	Non-isolated	Non-isolated
Topology	No Transformer	No Transformer	No Transformer
Input Terminal	MC4	MC4	MC4
Output Terminal	Connect terminals	Connect terminals	Connect terminals
Data Interfaces	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)	RS232/RS485; WiFi/GPRS(Optional)
General Parameters			
Noise	< 50dB	< 50dB	< 50dB
Night Power Consumption	0W	0W	0W
Operation temperature Range	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)	Air Flow -10°C~40°C(50°C)
Storage temperature	-25°C~ 60°C	-25°C~ 60°C	-25°C~ 60°C
Relative humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%
Environment	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc	No Corrosion Gas, Flammable Gas, Gas Fumes and Dust, etc
Altitude	2000m	2000m	2000m
Size (W*H*D)	410×445×210mm	530×680×240mm	530×680×240mm
No protruding interface			
Weight	26kg	37kg	38kg

Protection function
 DC polarity reverse connection protection, Anti-island, input overvoltage, output over current, output short circuit, over heat, overload, ground fault, grid overvoltage/low voltage, grid high/low frequency, grid monitoring, RCD testing

Certification
 VDE-AR-N4105、VDE0126、EN 61000、IEC/EN 62109、G59、G83、AS4777、AS/NZS 3100、IEC60068、IEC61683
 LVD DIRECTIVE 2014/35/EU