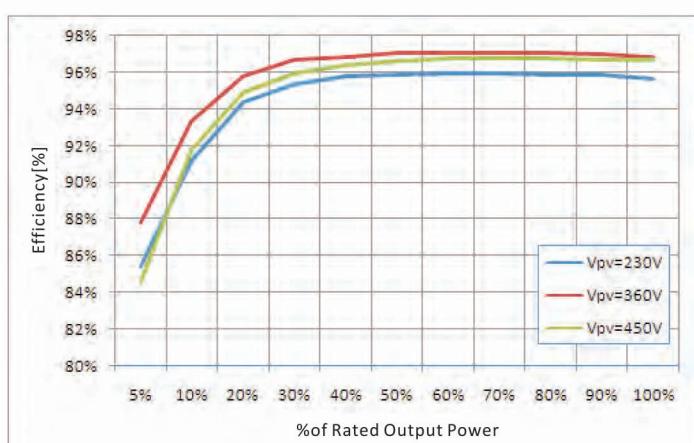


1-3KW-G3 Single Phase Inverter (Single MPPT)

1100TL-G3/1600TL-G3/2200TL-G3/
2700TL-G3/3300TL-G3



Efficiency Curve

High-yield

- Max 97.7% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one, flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Interface selection – Wi-Fi / RS485/GPRS
- Built in zero export function(optional)

Low maintenance cost

- Detachable cover for easy installation
- Rust-free Aluminum covers
- Flexible monitoring solution

Intelligent grid management

- Reactive power capability
- Self power reducer when over frequency
- Remote active/reactive power limit control

Mass Energy Inverter

Single Phase Inverter

1100TL-G3/1600TL-G3/2200TL-G3/
2700TL-G3/3300TL-G3



Datasheet

SOFAR
1100TL-G3

SOFAR
1600TL-G3

SOFAR
2200TL-G3

SOFAR
2700TL-G3

SOFAR
3300TL-G3

Input(DC)

Max DC Power	1500W	2200W	3000W	3700W	4500W
Max input voltage		500V			550V
Auxiliary open voltage			60V		
Start-up input voltage			70V		
Rate input voltage			360V		
MPPT voltage range		50-500V			50-550V
Full load DC voltage range	110-450V	150-450V	200-450V	250-500V	300-500V
Max input current MPPT			12A		
Input short current			15A		
Number of MPPT/ String per MPPT			1/1		
Input terminal type			MC4/H4		

Output(AC)

Rated power	1100W	1600W	2200W	2700W	3300W
Max AC power	1100VA	1600VA	2200VA	2700VA	3300VA
Rated output current	4.8A	7A	9.6A	11.8A	13A
Max output current	5.3A	7.7A	10.6A	13A	16A
Nominal Grid Voltage			220Vac/230Vac(Single phase)		
Grid Voltage Range			180-276Vac(According to local standard)		
Nominal Frequency			50Hz/60Hz		
Grid Frequency range			45~55Hz/54~66Hz(According to local standard)		
Active power adjustable range THDi			< 3%		
Power factor			1(adjustable+/-0.8)		

Efficiency

Max. efficiency	97.7%
Weighted eff. (EU/CEC)	97.2%

Standard

EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety standards	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC62109-1/2
Grid standards	AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN50438, G83/2, C10/11, RD1699

Protection

Anti-Islanding Protection	Yes
DC Reverse Polarity Protection	Yes
Over Temp Protection	Yes
Leakage Current Protection	Yes
Over Voltage Protection	Yes
Over Current Protection	Yes
Earth Fault Protection	Yes
SPD	MOV : Type III standard

Communication

Standard Communication Mode	Rs485, WiFi/GPRS/Ethernet(optional), USB
Operation Data Storage	25 years

General Date

Topology	Transformerless
Ambient temperature range	-30°C...+60°C(Above 45°C Derating)
Allowable relative humidity range	0~95% no condensing
Noise	<25dB
DC switch	optional
Cooling	Natural convection
Max. operating altitude	2000m
Dimension	297*260*118mm
Support bracket	Wall-mounted
Weight	5. 5kg
Display	LCD+LED
Degree of protection	IP65
Warranty	10 years



AS4777 G83/2 G59/3

CQC, IEC, VDE-AR-N4105 / VDE-0126, EMC, C10/11, EN50438, RD1669, CEI 0-21