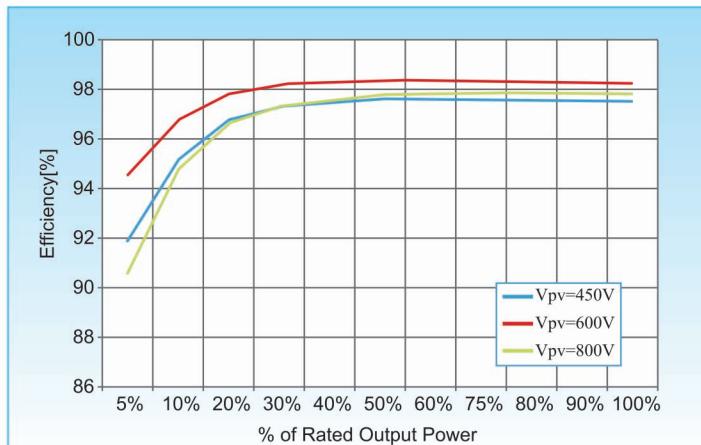


20-33KW Three Phase Inverter (Dual MPPT)

SOFAR (20000TL/25000TL/30000TL/33000TL)-G2



NEW
II



Efficiency Curve

High-yield

- Max 98.6% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 230V to 960V

All in one, flexible and economical system solution

- DC switch
- Built-in PV Combiner
- Power management unit
- Optimum selection for big PV plants, commercial buildings...

Low maintenance cost

- Rust-free aluminum covers
- Flexible monitoring solution
- Multi function relay can be configured to show various inverter information

Intelligent grid management

- ZVRT support
- Reactive power adjustable
- Self power reducer when over frequency
- Remote active/reactive power limit control

Mass Energy Inverter

Three Phase Inverter

20000TL-G2/25000TL-G2/30000TL/33000TL-G2 (New upgrade)



Datasheet

SOFAR
20000TL-G2

SOFAR
25000TL-G2

SOFAR
30000TL-G2

SOFAR
33000TL-G2

Input(DC)

Max.Input power	26000W	32500W	39000W	42900W
Max DC power for single MPPT	13000W	16000W	18000W	20000W
Number of independent MPPT		2		
Number of DC inputs	2 for each MPPT		3 for each MPPT	
Max. input voltage		1100V		
Start-up input voltage		250V		
Rated input voltage	620V	620V	620V	620V
MPPT voltage range		230V-960V		
Full load DC voltage range	480V-850V	460V-850V	520V-850V	580V-850V
Max. input MPPT current	24A/24A	28A/28A	30A/30A	30A/30A

Output(AC)

Rated power(@230V,50Hz)	20000W	25000W	30000W	33000W
Max. AC power	22000VA	27500VA	33000VA	36300VA
Max. output current	32A	40A	48A	53A
Nominal Grid Voltage		3/N/PE, 230/400Vac		
Grid Voltage Range		310Vac - 480Vac		
Nominal Frequency		50/60Hz		
Grid frequency range		45~55Hz/ 55~65Hz(According to local standard)		
Active power adjustable range		0~100%		
THDi		<3%		
Power factor		1(Adjustable +/-0.8)		

Performance

Max efficiency	98.2%	98.4%	98.4%	98.6%
European weighted efficiency	98.0%	98.2%	98.2%	98.2%
Self-consumption at night		<1W		
Feed-in start power		45W		
MPPT efficiency		>99.9%		

Protection

DC reverse polarity protection	Yes
DC switch	Yes
Protection class /overvoltage category	I/III
Safety protection	Anti islanding, RCMU, Ground fault monitoring
Certification	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC62109-1/2 CE, CGC, ZVRT, AS4777, AS3100, VDE4105, C10-C11, G59 (more available on request)
ARPC	Anti Reverse Power Controller(optional)

Communication

Power management unit	According to certification and request
Standard Communication Mode	RS485, Wifi (optional), GPRS(optional), SD card, Multi-function relay
Operation Data Storage	25 years

General data

Ambient temperature range	-30°C...+60°C(Above 45°C Derating)			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0...100% no condensing			
Max.operating altitude	<2000M			
Noise	<30dB	<45dB	<45dB	<45dB
Weight	37kg			
Cooling	Natural	Fan	Fan	Fan
Dimension	666*512*254mm			
Display	LCD display			
Warranty	10 years			



AS4777 G83/2 G59/3

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