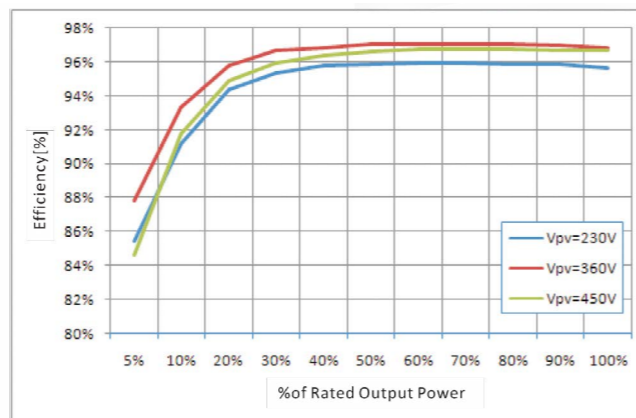


1-Phase String Inverter:
3000TLM / 3620TLM / 4000TLM / 4600TLM / 5000TLM / 6000TLM



Efficiency Curve

High-yield

- Max 97,6% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

Low maintenance cost

- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexibel monitoring solution
- Multi function relay can be configured to show various inverter information

All in one and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Standard interface selection: Wifi / RS485 / GPRS
- 4" LCD display

Intelligent grid management

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

Technical specifications	Sofar 3000TLM	Sofar 3680TLM	Sofar 4000TLM	Sofar 4600TLM	Sofar 5000TLM	Sofar 6000TLM
Input (DC)						
Maximum DC power [W]	3300	4000	4400	5000	5500	6600
Maximum DC voltage [V]	600					
MPPT voltage range [V]	80-580			100-580		
Nominal DC voltage [V]	360					
Start voltage [V]	100			120		
Full load DC voltage [V]	160-520		165-520		175-520	
Maximum input current per MPPT[A]	10/10	12/12	13/13	15/15		
Number of DC connection sets per MPPT	1/1					
Number of MPPT	2					
DC Switch	Optional					
Output (AC)						
Rated AC power [W]	3000	3680	4000	4600	5000	6000
Maximum AC power [VA]	3000	3680	4000	4600	5000	6000
Maximum input current [A]	13	16	17,5	20	22	26
Nominal AC voltage / range	1/N/PE, 230V					
Grid frequency / range	50Hz/60Hz					
Power factor [cos φ]	1 leading - 0.8 lagging					
Total harmonic distortion [THDi]	< 3 % (at nominal power)					
Feed in phase / connection phase	Single phase					
Power Limit export	Zero export or adjustable power limit export					
Efficiency						
Maximum efficiency	97,6%					
Euro efficiency [at 360Vdc]	97,1% / 97,3%					
MPPT accuracy	>99.9%					
Protection						
Internal over-voltage protection	Intergrated					
DC insulation monitoring	Intergrated					
DCI monitoring	Intergrated					
GFCI monitoring	Intergrated					
Grid monitoring	Intergrated					
AC short circuit current protection	Intergrated					
Thermal protection	Intergrated					
Anti-island protection monitoring	AFD					
Interface						
AC connection	Plug-in connector					
DC connection	MC4/H4					
Lcd / led display	4 inch graphic lcd display, backlight inverter parameter and data display					
Datalogger and communication	1*RS485 / wifi (standard) / ethernet (optional) / GPRS (optional) SD card					
General data						
Topology	Transformerless					
Consumption at night / standby[W]	<0.6 / <10					
Operating teperature range	-25°C tot +60°C (45°C tot 60°C with derating)					
Maximum operating humidity range	Up to 2000m (without power derating)					
Noise [dBA]	<25					
Ingress protection	IP65 (indoor and outdoor installation)					
Mounting	Rearpanel					
Dimensions [H*B*D][mm]	478*344*170					
Net weight [kg]	18			19		
Standard warrenty [jaar]	10 (standard) / 15 / 20 / 25 (optional)					
Certificates	IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, NBR 16149, NBR 16150, TF 3.2.1, C10/11					
Gross price	€ 1109,-	€ 1178,-	€ 1291,-	€ 1407,-	€ 1430,-	€ 1517,-
Article number	78107035	78107040	78107045	78107050	78107055	78107060