

# Single Phase (3-6kW)



SKU:

EAN:

## FEATUES

Afore single-phase series of household solar inverters are designed for household power plants with rated power from 3kW to 6kW. All models with aluminum housings which is anodized, increasing durability and effectively prevents corrosion.

- No fans design
- Quick and easy installation
- High-quality power output and low THDI
- MPPT efficiency > 99.9%
- Two MPPT design
- Reactive power compensation, adjust power factor



## SPECIFICATION

V Input Data	3Kw	3.6Kw	4Kw	5Kw	6Kw
Max.DC Power( W)	4500	5400	6000	7000	8400
Max.DC Voltage(V)	600	600	600	600	600
MPPT Voltage Range( V )	70-550	70-550	70-550	70-550	70-550
MPPT Full Power Voltage Range(V)	110-550	130-550	145-550	150-550	220-550
Rated Input Voltage( V )	360				
Start-up Voltage( V )	70				
Max.Input Current( A)	14x2				
Max. Short Current(A)	18x2				
No. of MPP Tracker /No. of PV String	2/2				
Input Connector Type	MC4				
AC Output Data	3Kw	3.6Kw	4Kw	5Kw	6Kw
Max. Output Power( W)	3300	3960	4400	5500	6600
Nominal Output Power( W )	3000	3600	4000	5000	6000
Max. Output Current(A)	15	17.5	20	24	28.7
Nominal Output Voltage ( V )	L/N/PE,220Vac,230Vac,240Vac				
Grid Voltage Range	180Vac-276Vac(According to local standard)				
Nominal Output Frequency ( Hz )	50/60				
Grid Frequency Range	45-55Hz/54-66Hz(According to local standard)				
Output Power Factor	1 default (adjustable from0.8 leading to 0.8 lagging)				
Output Current THD	<3%				
Efficiency	3Kw	3.6Kw	4Kw	5Kw	6Kw
Max.Efficiency	98.20%	98.20%	98.20%	98.20%	98.20%
Euro Efficiency	97.80%	97.82%	97.85%	97.90%	97.92%
Protection	3Kw	3.6Kw	4Kw	5Kw	6Kw
PV Reverse Polarity Protection	YES				

PV Insulation Resistance Detection	YES
AC Short Circuit Protection	YES
AC Over Current Protection	YES
AC Over Voltage Protection	YES
Anti-Islanding Protection	YES
Residual Current Detection	YES
Over Temperature Protection	YES
Integrated DC switch	YES
Surge Protection	Integrated (Type III)
Smart IV Curve Scanning	YES
Quick Arc Fault Circuit Interruption	Optional

General Data	3Kw	3.6Kw	4Kw	5Kw	6Kw
Dimensions (H x Wx D, mm)	370x350x142				
Weight ( kg )	11x				
Protection Degree	IP65				
Enclosure Material	Aluminum				
Ambient Temperature Range (C)	-25 to 60				
Humidity Range	0-100%				
Topology	Transformerless				
Communication Interface	RS485 / WiFi /Wire Ethernet /GPRS(optional)				
Cooling Concept	Convection				
Noise Emission ( db )	< 28				
Night Power Consumption ( W )	< 1				
Max. Operation Altitude ( m )	4000				

Certifications and Standards	3Kw	3.6Kw	4Kw	5Kw	6Kw
EMC Standard	EN/IEC 61000-6-2EN/IEC 61000-6-3,EN61000-3-2,EN61000-3-3,EN61000-3-11,EN61000-3-12				
Safety Standard	IEC 60068,UL1741,EN62109				
Grid-connection	IEEE1547.CSA C22, EN50549,VDE4105,VDE0126, RD1699, ABNT NBR16149 &16150,AS47772NB/T32004,G98/G99,IEC61727				