

SINGLE-PHASE F SERIES (G2)

F3000-G2 / F3600-G2 / F4600-G2
/ F5000-G2 / F5300-G2 / F6000-G2

WAAREE®



High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency



Easy Installation

Flexible configuration, plug and play set-up.



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



F SERIES (G2)

DUAL MPPT INVERTERS

Offer a range of single and dual-MPPT single-phase inverters offering unparalleled efficiency and performance. Our dual-MPPT F Series (G2) range includes 3.0 – 6.0kW models. The F Series (G2) is IP65 rated and battery ready for easy upgrade when paired with a charge controller.

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



F SERIES (G2)



Model	F3000-G2	F3600-G2	F4600-G2	F5000-G2	F5300-G2	F6000-G2
INPUT(PV)						
Max. Input Power [W]	4500	5400	6900	7500	7950	9000
Max./Min. Input Voltage [V]	600/80	600/80	600/80	600/80	600/80	600/80
Start-up Input Voltage [V]	120	120	120	120	120	120
Rated Input Voltage [V]	360	360	360	360	360	360
MPPT Operating Voltage Range [V]	80 ~ 550					
Max. Input Current[A]	14					
Max. Short-circuit Current [A]	18					
No. of Independent MPP Trackers	2					
No. of Strings per MPP Tracker	1					
OUTPUT(AC)						
Rated Output Apparent Power [VA]	3000	3600	4600	5000	5300	6000
Max. Output Apparent Power [VA]	3300	3960	5060	5500	5830	6000
Rated Grid Voltage [Vac]	220/ 230/ 240					
Rated Grid Frequency [Hz]	50/ 60					
Rated Output Current [A]	13.0	15.7	20.0	21.7	23.0	26.1
Max. Output Current [A]	14.3	17.2	22.0	23.9	25.3	26.1
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Total Harmonic Distortion (THDi) [%]	<3					
EFFICIENCY						
MPPT Efficiency [%]	99.00					
Euro-efficiency [%]	96.80					
Max. Efficiency [%]	97.40					
PROTECTION						
Insulation Monitoring	YES					
Residual Current Monitoring	YES					
PV String Current Monitoring	YES					
DC Reverse Polarity Protection	YES					
Anti-islanding Protection	YES					
AC Short-circuit Protection	YES					
AC Overcurrent Protection	YES					
AC Overvoltage Protection	YES					
Surge Protection	Optional (DC/AC: Type II)					
DC Switch	Optional					
AFCI	NO					
GENERAL DATA						
Dimensions (W*H*D) [mm]	402*453*148					
Weight [kg]	14.8					
Cooling Method	Natural Convection					
Topology	Transformerless					
Noise Emission (typical) [dB]	<30					
Max. Operating Altitude [m]	3000					
Operating Temperature Range [°C]	-25 ~ 60					
Humidity [%]	0 ~ 100 (No Condensation)					
Ingress Protection	IP65					
Internal Consumption at Night [W]	<1					
Monitoring Module	LAN/ WIFI / GPRS / 4G (Optional)					
Communication	RS485, Meter / CT, DRM					
Display	LCD, Touch Key, App, Website					
Country Of Manufacture	China					
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)						
Safety	EN/IEC 62109-1/2					
EMC	EN 61000-6-1/2/3/4					
Grid Regulation	AS/NZS-4777.2, CEI 0-21					