

# THREE-PHASE T SERIES(G4)

W3-3K / W3-4K / W3-5K / W3-6K / W3-8K /  
W3-10K / W3-12K / W3-15K / W3-17K / W3-20K /  
W3-23K / W3-25K

# WAAREE®



## High Performance

Low start-up voltage, wide voltage range, 98.6% 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.



# T SERIES (G4)

## 3-PHASE INVERTERS

The T Series inverter range is aimed at 3-phase domestic and small-scale commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The 3-phase T Series inverter options range from 3kW to 25kW.

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

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



T SERIES (G4)



# THREE-PHASE T SERIES(G4)



W3-3K / W3-4K / W3-5K / W3-6K / W3-8K /  
W3-10K / W3-12K / W3-15K / W3-17K / W3-20K /  
W3-23K / W3-25K

MODEL	W3-3K	W3-4K	W3-5K	W3-6K	W3-8K	W3-10K	W3-12K	W3-15K	W3-17K	W3-20K	W3-23K	W3-25K
<b>INPUT (PV)</b>												
Max. Input Power[W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500
Max. Input Voltage[V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Start-up Input Voltage[V]	140	140	140	140	140	140	140	140	140	140	140	140
Rated Input Voltage[V]	600	600	600	600	600	600	600	600	600	600	600	600
MPPT Operating Voltage Range[V]	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000
Max. Input Current[A]	14	14	14	14	14	14	14	28	28	28	28	28
Max. Short-circuit Current[A]	18.2	18.2	18.2	18.2	18.2	18.2	18.2	36.4	36.4	36.4	36.4	36.4
No. of Independent MPP Trackers	2	2	2	2	2	2	2	2	2	2	2	2
No. of Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	1+1	1+1	2+2	2+2	2+2	2+2	2+2
<b>OUTPUT</b>												
Rated Output Power[W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Max. Output Apparent Power[VA]	3300	4400	5500	6600	8800	11000	13200	16500	18700	22000	25300	27500
Rated Grid Voltage[V]	3/N/PE, 220/380, 230/400, 240/415											
Rated Grid Frequency[Hz]	50/60											
Rated Output Current[A]	4.3	5.8	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	33.3	36.2
Max. Output Current[A]	4.8	6.4	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	36.7	39.9
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)											
Total Harmonic Distortion [THDi] [%]	<3											
<b>EFFICIENCY</b>												
MPPT Efficiency [%]	99.8											
Euro Efficiency [%]	97.8											
Max. Efficiency [%]	98.6											
<b>PROTECTION</b>												
Insulation Monitoring	YES											
Residual Current Monitoring	YES											
PV String Current Monitoring	Yes						Optional					
DC Reverse Polarity Protection	YES											
Anti-islanding Protection	YES											
AC Short-circuit Protection	YES											
AC Overcurrent Protection	YES											
AC Overvoltage Protection	YES											
Surge Protection	DC/AC: Type II											
DC Switch	Optional											
AFCI	Optional											
<b>GENERAL DATA</b>												
Dimensions (W*H*D) [mm]	370*480*183.5											
Weight [kg]	17	17	17	17	17	17	17	20	20	20	21	21
Cooling Method	Natural Convection						Fan					
Topology	Transformerless											
Noise Emission (typical) [dB]	<30	<30	<30	<30	<30	<30	<30	<55	<55	<55	<55	<55
Max. Operating Altitude [m]	3000											
Operating Temperature Range [°C]	-25 ~ 60											
Humidity [%]	0 ~ 100 ( No Condensation )											
Ingress Protection	IP65											
Internal Consumption at Night [W]	<3											
Monitoring Module	WIFI / 4G ( Optional )											
Communication	RS485, Meter, DRM, Estop											
Display	LCD, Touch Key, App, Website											
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>												
Safety	EN 62109-1/2, BIS IS 16169, BIS IS 16221-1/2											
EMC	EN 61000-6-1/2/3/4											
Grid Regulation	AS/NZS-4777.2, C10/11, EN50549-1, PN EN-50549-1, VDE-AR- N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1											