

## THREE PHASE HYBRID INVERTER AF10K-T

# ATON SERIES



SOLAR INPUT		
Max. DC Input Power	kW	15
Rated DC Input Voltage	V	620
DC Input Voltage Range	V	150 - 1000
MPPT Voltage Range	V	150 - 850
Start-up Voltage	V	160
Max. DC Input Current	A	20 x 2
Nr. of MPPT Tracker	-	2

STORAGE BATTERY		
Battery Nominal Voltage	V	400
Battery Voltage Range	V	150 - 800
Max. Charge/Discharge Current	A	30
Max. Charge/Discharge Power	W	11K / 10K
Charging Curve	-	3 Stages
Compatible Battery Type	-	Lead acid, lithium battery

AC LOAD OUTPUT (BACK-UP)		
Nominal Output Power	VA	10000
Nominal Output Voltage	V	230 / 400
Nominal Output Frequency	Hz	50 / 60
Nominal Output Current	A	14.5
Peak Output Power	-	11000VA, 60s
THDV (with linear load)	%	< 3
Switching Time	s	< 0.01

EFFICIENCY		
EURO Efficiency	-	97.50%
Max. Efficiency	-	98.20%
Battery Charge/Discharge Efficiency	-	98.00%

AC OUTPUT		
Nominal AC Output Power	VA	10000
Max. AC Input Power	VA	15000
Max. AC Output Current	A	17
Nominal AC Voltage	V	230 / 400
Nominal AC Frequency	Hz	50 / 60
Power Factor	-	1 (-0.8 - 0.8)
THD (Current)	%	< 3

PROTECTION		
Reverse Polarity Protection		Yes
Over Current/Voltage Protection		Yes
Anti-islanding Protection		Yes
AC Short-circuit Protection		Yes
Leakage Current Detection		Yes
Ground Fault Monitoring		Yes
Grid Monitoring		Yes
Enclosure Protect Level		IP65 / NEMA4X

GENERAL DATA		
Dimensions [W/H/D]	mm	558 x 426 x 250 mm
Weight	kg	28.5
Topology	-	Transformerless
Cooling Concept	-	Intelligent Fan
Relatively Humidity	%	0 - 100
Operating Temperature Range	°C	-25 ~ 60
Operating Altitude	m	< 4000
Noise Emission	dB	< 30
Standby Consumption	W	< 5
Display & Communication Interfaces	-	LCD, LED, RS485, Wi-Fi, CAN, GPRS, 4G

The weight and dimensions of the inverter may vary depending on the generation.  
The above parameters are for reference only and are subject to change. Detailed information at [serwis@afore.com.pl](mailto:serwis@afore.com.pl)

### Certification & Approvals

NRS97, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2, EN61000-6-2, EN61000-6-3