

Apollo

Residential Three-phase On-grid PV Inverter Apollo Series
Apollo 8000-T1 & Apollo 10K-T1



The DC capacitance ratio can reach as high as 1.5 times, which is perfectly suitable for high current and double-sided solar panels.



DC arcing detection function can be selected to eliminate potential fire hazards.



The adaptive control algorithm adopted ensures the product fit for unstable grid.



Flexible monitoring modes support RS485, Wi-Fi and GPRS.



The product has IP66 degrees of protection and C5 anti-corrosion.



The product supports output of 1.1 times overload. This effectively increases power generation.

Apollo 8000-T1 & Apollo 10K-T1 Technical parameters

Technical parameters:	Apollo 8000-T1	Apollo 10K-T1
Input parameters (DC)		
Maximum panel input power recommended (kW)	12	15
Maximum DC input voltage (V)	1100	
Maximum input current of each MPPT (A)	16	
Short circuit current of each MPPT (A)	25	
Max.Power of each MPPT (kW)	9.6	
No. of MPPT / strings	2/1+1	
Start-up voltage (V)	180	
MPPT Voltage range (V)	160V~1000	
Full-load MPPT Voltage range (V)	550~850	
Rated input voltage (V)	600	
Output parameters (AC)		
Rated output power (kW)	8.8kW@40°C 8kW@45°C	11kW@40°C 10kW@45°C
Maximum apparent power (kVA)	8.8	11
Max.output power (kW)	8.8	11
Output connection type	3W+PE or 3W+N+PE	
Rated voltage/Voltage range (V)	400/320~480	
Rated grid frequency	45~55Hz / 55~ 65Hz (According to local grid standards)	
Rated output current (A)	12.2	15.2
Maximum output current (A)	13.4	16.7
Power Factor (settable)	> 0.99 @ full power (adjustable range: 0.8 leading ~ 0.8 lagging)	
Total Harmonic Distortion THDI (full load)	< 3% (full load)	
Efficiency		
MPPT efficiency	99.9%	
Maximum efficiency	98.4%	
Euro. efficiency	97.8%	
China efficiency	97.5%	
Protection function		
DC switch	yes	
Output short circuit protection	yes	
Power grid fault monitoring	yes	
DC reverse connection detection	yes	
String monitoring	yes	
DC lightning protection	type II	
AC lightning protection	type II	
DC insulation impedance detection	yes	
AC leakage current detection	yes	
Over-temperature protection	yes	
DC component monitoring	yes	
Islanding detection	yes	
Smart IV diagnosis	yes	
Arc fault detection	optional	
Bus voltage monitoring	yes	
PID repair and protection	optional	
Arc fault detection	optional	
Remote upgrade and setup	yes	
anti-counterflow meter	optional	
Fault recorded	yes	
Display and communication		
Display mode	LED indicator light, Bluetooth / WIFI + APP	
Communication mode	RS485, WIFI / 4G (optional)	
General parameters		
Dimension (mm)(W×H×D)	518x422x208.5	
Weight (kg)	20	
Operating temperature range	-30°C ~ +60°C	
Cooling mode	Air colling without fan	
Maximum altitude for product operation	3000m (> 2000m Rating reduction occurs)	
Relative Humidity	0~100%	
Input terminal	MC4	
Output terminal	OT/DT terminal(Max.50mm ² cable section)	
Degree of protection	IP66	
Self power consumption at night	<1W	
Noise (dB)	<35	
Topology	no transformer	
Other		
Certification	EN IEC62109-1, EN IEC62109-2, IEC61683, IEC61727, IEC62116, IEC60068, EN IEC61000-6-2, EN IEC61000-6-4, EN50530, IEC60529 IP66, RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU), ISTA, CQC NB/T32004, GB/T37408	
Warranty	5 Years	

Note: Technical parameters listed hereunder are for reference only. Actual parameters shall be subject to products shipped.