



HYBRID INVERTER

ARM TITAN SERIES 4KW & 6.5KW

PURE SINE WAVE SOLAR INVERTER



Dual back up output



Max. efficiency > 95%



Compatible with grid and support to sell electric energy



The parallel current can be dynamically adjusted after paralleling



Normal operation of only-connection PV panels



The maximum current of a single string module is 27A



Support dry contact starting generator(Optional)



Supports multiple parallel machines, up to 9 parallel



Supports three-phase output after single-phase parallel operation

Technical Specification

		ARM TITAN Series PV 6500W-4KW-24V	ARM TITAN Series PV 8500W-6.5KW-48V
PV INPUT			
PV Charging Method			
Max. PV Input Power	[W]	6500	8500
MPPT Tracking Range	[V]	60~500	60~500
Max. PV Input Voltage	[V]	500	
Max. PV Input Current	[A]	27	27A (MAX.36A)
AC OUTPUT-GRID			
Output Voltage	[V]	208/220/230/240±5%	(Feed-in Grid Voltage Range:195~253)
Frequency	[Hz]	50/60±0.1%	
Output Current	[A]	16.3	26.9
Power Factor		>0.99	
AC OUTPUT -LOAD			
Rated Power	[W]	4000	6500
Dual Output Power	[W]	3600/3600	6200/6200
Second Load Cut Off Voltage	[V]	22	44
Second Load Return Voltage	[V]	26	52
Output Voltage	[V]	208/220/230/240±5%	
Output Wave		Pure Sine Wave	
Transfer Time(Adjustable)		10ms for Computer Equipment,20ms for Household Equipment	
Peak Power	[V]	7200	12400
Overload Ability		Battery Mode: 21s@102%~110% load 10s@110%~130% load 3s@130%-150% load 400ms@>150% load	
Frequency	[Hz]	50/60±0.1%	
Peak Efficiency(Battery Model)		94%	94%
AC INPUT			
Input Formation		L+N+PE	
AC Input	[V]	220/230/240	
Input Voltage Range	[V]	90-280VAC±3V(Normal Mode)185-264VAC±3V (UPS Mode)	
BATTERY PARAMETERS			
Rated Voltage	[V]	24	48
Constant Charging Voltage		28.2	56.4
Float Charging Voltage		27	54
Max. PV Charge Current	[A]	120	120
Max. AC Charge Current	[A]	100	100
Max. Charge Current	[A]	120	120
OTHERS			
Operating Temperature	[°C]	0~40	
Storage Temperature	[°C]	-15~60	
Operating Humidity		20%~95%(Non-condensing)	
Operating Altitude	[m]	No more than 1000m, If 1000m <,Rate power will lower, MAX 4000m, Refer	
Noise	[dB]	<50	
LCD		LCD ALREADY, LED TOUCH SCREEN OPTIONAL	
RS232		5PIN/Pitch2.54mm,Baud Rate 2400	
Expansion Slot Communication Interface		2 × 5PIN/Pitch2.54mm , Lithium battery BMS communication card 、 WIFI , etc	
Parallel Interface		Not Support Parallel	Support Parallel Optional
L*W*H	[mm]	495*312*125	
Weight	[Kg]	11.2	12
Warranty		2 years	
STANDARD			
EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1 IEC 61683,			