

Especificaciones / Specifications / Spécifications

MODEL	Alpha 2kW	Alpha Plus 3kW	Alpha Plus 5kW	Alpha Plus 3P 10kW
Phase	1-phase in/1-phase out			3-phase in/3-phase out
Maximum PV Input Power	2250W	4500W	10000W	14850W
Rated Output Power	2000W	3000W	5000W	10000W
Maximum Charging Power	1200W		4800W	9600W
GRID-TIE OPERATION				
PV INPUT (DC)				
Nominal DC Voltage / Maximum DC Voltage	300/350VDC	360/500VDC	720/900VDC	
Start-up Voltage / Initial Feeding Voltage	80/120VDC	116 /150VDC	225/250VDC	320/350VDC
MPP Voltage Range	120 ~ 320VDC	250 ~ 450VDC	250 ~ 850VDC	400 ~ 800VDC
Number of MPP Trackers / Maximum Input Current	1/1 x 15A	1/1 x 18A	2/2 x 10A	2/2 x 18.6A
GRID OUTPUT (AC)				
Nominal Output Voltage	101/110/120/127VAC	208/220/230/240VAC		230VAC (P-N)/400VAC (P-P)
Output Voltage Range	88 - 127VAC*	184 - 265VAC*		184 - 265VAC* per phase
Nominal Output Current	18A	13A	21A	14.5A per phase
Power Factor	>0.99			
EFFICIENCY				
Maximum Conversion Efficiency (DC/AC)	95%		96%	
European Efficiency @ Vnominal	94%		95%	
OFF-GRID OPERATION				
AC INPUT				
AC Start-Up Voltage / Auto Restart Voltage	60 - 70VAC/85VAC	120 - 140VAC/180VAC		120 - 140VAC per phase / 180VAC per phase
Acceptable Input Voltage Range	80 - 130VAC	170 - 280VAC		170 - 280VAC per phase
Maximum AC Input Current	30A		40A	
PV INPUT (DC)				
Maximum DC Voltage	350VDC	500VDC	900VDC	
MPPT Voltage Range	150 ~ 320VDC	250 ~ 450VDC	250 ~ 850VDC	400 ~ 800VDC
Number of MPP Trackers / Maximum Input Current	1/1 x 15A	1/1 x 18A	2/2 x 10A	2/2 x 18.6A
BATTERY MODE OUTPUT (AC)				
Nominal Output Voltage	101/110/120/127VAC	202/208/220/230/240VAC		230VAC (P-N)/400VAC (P-P)
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	90%	93%		91%

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MODEL	Alpha 2kW	Alpha Plus 3kW	Alpha Plus 5kW	Alpha Plus 3P 10kW
HYBRID OPERATION				
PV INPUT (DC)				
Nominal DC Voltage / Maximum DC Voltage	300VDC/350VDC	360VDC/500VDC	720VDC/900VDC	
Start-Up Voltage / Initial Feeding Voltage	80 VDC/120VDC	116VDC/150VDC	225VDC/250VDC	320VDC/350VDC
MPP Voltage Range	150 ~ 320VDC	250 ~ 450VDC	250 ~ 850VDC	400 ~ 800VDC
Number of MPP Trackers / Maximum Input Current	1/1 x 15A	1/1 x 18A	2/2 x 10A	2/2 x 18.6A
GRID OUTPUT (AC)				
Nominal Output Voltage	101/110/120/127VAC	202/208/220/230/240VAC		230VAC (P-N)/400VAC (P-P)
Output Voltage Range	88 - 127VAC*	184 - 264.5VAC*		184 - 264.5VAC* per phase
Nominal Output Current	18A	13A	21A	14.5A per phase
AC INPUT				
AC Start-Up Voltage / Auto Restart Voltage	60 - 70VAC/85VAC	120 - 140VAC/180VAC		120 - 140VAC per phase/ 180VAC per phase
Acceptable Input Voltage Range	80 - 130VAC	170 - 280VAC		170 - 280VAC per phase
Maximum AC Input Current	30A		40A	
BATTERY MODE OUTPUT (AC)				
Nominal Output Voltage	101/110/120/127VAC	202/208/220/230/240VAC		230VAC (P-N)/400VAC (P-P)
Efficiency (DC to AC)	90%	93%		91%
BATTERY & CHARGER				
Nominal DC Voltage	48VDC			
Maximum Charging Current	Default 25A, 5A - 25A (Adjustable)		Default 60A, 5A - 100A (Adjustable)	Default 60A, 10A - 200A (Adjustable)
GENERAL				
PHYSICAL				
Dimension, D x W x H (mm)	107 x 438 x 480		204.2 x 460 x 600	167.5 x 500 x 622
Net Weight (kg)	15.5		29	45
INTERFACE				
Communication Port	RS - 232/USB		RS - 232/USB and CAN Interface	
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available			
ENVIRONMENT				
Humidity	0 ~ 90% RH (No condensing)			
Operating Temperature	0°C to 40°C		-10°C to 55°C	
Altitude	0 ~ 1000 m**			

*Estas cifras pueden variar según el voltaje de CA y requisitos de cada país. / These figures may vary depending on different AC voltage and country requirements. / Ces chiffres peuvent varier en fonction de la tension alternative et des exigences de chaque pays.

** Cuando la altitud sea superior a 1000m., existirá una reducción de potencia del 1% cada 100m. / Power derating 1% every 100m. when altitude is over 1000m. / Lorsque l'altitude est supérieure à 1000m., il y aura une réduction de puissance de 1% tous les 100 m. Las especificaciones del producto están sujetas a cambios sin previo aviso. / Product specifications are subject to change without further notice. / Les caractéristiques techniques du produit sont susceptibles d'être modifiées sans préavis.