

INVERTER CATALOGUE

Quality Creates Brand, Service Enchances Value



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SINCE 1994 POWER UP THE WORLD ...

SHENZHEN MOTOMA POWER CO.,LTDWe Are A Company Specialized In Research And Manufacturing Since 1994. We Are Dedicated To Developing Sustainable Energy Solutions By Producing Lithium Polymer Batteries, Cylindrical Lithium Batteries, And Lithium Iron Phosphate (LiFePO4) Batteries, As Well As Developing Inverters And Solar Panels.

With Over 30 Years Of Energy Market Experience, We Take Pride in Our Team Of More Than 400 Skilled Workers And 20 Expert In-House Engineers, Working Together in A Facility Over 20,000 Sqm to Provide Products to More Than 90 Countries Around The World, Making Us One Of The Leading Innovative Battery Manufacturers in China.



OFF- GRID INVERTER Axpert VM II





- Economical solar inverter with affordable price
- Easy install, one battery 12vdc
- Wide PV input voltage range starts from 30VDC
- Battery independent design
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit



Axpert VM II Off-Grid Inverter Specification

MODEL	Axpert VM II 1.5K		
Rated Power	1500VA/1500W		
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
ОИТРИТ			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Output Power	1500W with PV & battery; 1200W with battery only		
Surge Power	2400VA		
Efficiency (Peak)	93%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	12 VDC		
Floating Charge Voltage	13.5 VDC		
Overcharge Protection	16 VDC		
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	МРРТ		
Maximum PV Array Open Circuit Voltage	350 VDC		
Maximum PV Array Power	2000W		
MPP Range @ Operating Voltage	30-300 VDC(30V-60V with battery)		
Maximum Solar Charge Current	80 A		
Maximum AC Charge Current	80 A		
Maximum Charge Current	80 A		
PHYSICAL			
Dimension, D x W x H (mm)	90 x 288 x 357		
Net Weight (kgs)	6.5		
Communication Interface	RS232		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		

OFF- GRID INVERTER Axpert VM II Premium





- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit



Axpert VM II Premium Off-Grid Inverter Selection Guide

MODEL	Axpert VM II Premium 3K		
Rated Power	3000VA/3000W		
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	6000VA		
Efficiency (Peak)	93%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	24 VDC		
Floating Charge Voltage	27 VDC		
Overcharge Protection	32 VDC		
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Open Circuit Voltage	450 VDC		
Maximum PV Array Power	3000W		
MPP Range @ Operating Voltage	30~400 VDC (30~60VDC with battery connected) 60 - 400 VDC		
Maximum Solar Charge Current	100 A		
Maximum AC Charge Current	80 A		
Maximum Charge Current	100 A		
PHYSICAL			
Dimension, D x W x H (mm)	110 x 288 x 390		
Net Weight (kgs)	7.2		
Communication Interface	RS232/RS485 For Lithium Battery BMS communication		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		



OFF- GRID INVERTER Axpert VM III TWIN







LCD Display Panel

· Supports USB On-the-Go function

VM III TWIN series supports USB On-the-Go function to facilitate data upload/download.

· Dual outputs for smart load management

There are two outputs available. The second output can be sched uled on/off, setting cut-off voltage or SOC and discharging time via LCD setting. It facilitates users smart load control.

· Maximum PV input current 27A

Designed with 27A PV input current, Axpert VM III TWIN is compatible to the market trend of increased Imp in solar panel.

Wide PV input voltage range 60VDC~450VDC

Now, Axpert VM III TWIN allows wide PV input voltage range from 60VDC to 450VDC. This features allow less solar panel required in the system and save space.

Detachable LCD control module with various communications

This detachable LCD control module can be turned to remote panel.Users can install the LCD panel in accessible area away from inverter up to 20 meters.



· Built-in WiFi for mobile monitoring (App is available)

VM III TWIN series is integrated Wifi interface ready for mobile monitoring. This technology allows wireless communication up to 6~7m in an open space. Now, WatchPower App is available in google store.





• Reserved communication port (RS-485,CAN-BUS or RS-232)for BMS

This third generation inverter is reserved communication port for BMS. For the detailed information, please contact sales directly.

Battery equalization extends lifecycle

This inverter charger is built in battery equalization function. This function will help remove sulfation to optimize battery performance and even extend lifecycle.

Battery independency

Inverter can keep supplying power to the loads from PV energy or the grid without battery connected.



· User-friendly LCD operation

Users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize inverter performance.



Replaceable fan design

VM III TWIN series is designed with replaceable fan. It will simplify the maintenance and reduce the maintenance cost.



OFF- GRID INVERTER Axpert VM III TWIN



Axpert VM III TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert VM III TWIN 4K	Axpert VM III TWIN 6K	
Rated Power	4000VA/4000W	6000VA/6000W	
INPUT			
Voltage	2	30 VAC	
Selectable Voltage Range		or Personal Computers) For Home Appliances)	
Frequency Range	50 Hz/60 H	Hz (Auto sensing)	
ΟυΤΡυΤ			
AC Voltage Regulation (Batt. Mode)	230\	/AC ± 10%	
Surge Power	8000VA	12000VA	
Efficiency (Peak)	90	% ~ 93%	
Transfer Time		ersonal Computers) Home Appliances)	
Waveform	Pure	e sine wave	
BATTERY			
Battery Voltage	24 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	
Overcharge Protection	33 VDC	63 VDC	
SOLAR CHARGER & AC CHARGER			
Solar Charger type		МРРТ	
Maximum PV Array Power	5000W	6000W	
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC	
Maximum PV Input Current		27A	
Maximum Solar Charge Current	120A	120A	
Maximum AC Charge Current	100A	100A	
Maximum Charge Current	120A	120A	
PHYSICAL			
Dimension, D x W x H (mm)	115 >	x 300 x 435	
Net Weight (kgs)	9	10	
Communication Interface	USB, RS232, RS485, WiFi, Dry-contact		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		

OFF- GRID INVERTER Axpert VM IV TWIN





- Dual output for smart load management
- Wide PV input voltage range 60VDC~450VDC
- Customizable status LED ring with RGB lights
- Touchable button with large 4.3" colored LCD
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Built-in Wifi for mobile monitoring (Android/iOS App available)
- Supports USB On-the-Go function
 - Data log event stored in the inverter
- Maximum PV input current 27A
- Battery independent design
- Battery equalization extends lifecycle
- Enhanced charging power
- Built-in anti-dust kit



Axpert VM IV TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert VM IV TWIN 4K	Axpert VM IV TWIN 6K
Rated Power	4000VA/4000W	6000VA/6000W
INPUT		
Voltage		230 VAC
Selectable Voltage Range		30 VAC (For Personal Computers) 80 VAC (For Home Appliances)
Frequency Range		50 Hz/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)		230VAC ± 10%
Surge Power	8000VA	12000VA
Efficiency (Peak)		90% ~ 93%
Transfer Time		ms (For Personal Computers) 0 ms (For Home Appliances)
Waveform		Pure sine wave
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type		MPPT
Maximum PV Array Power	5000W	6000W
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current		27A
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)		119 x 313.6 x 457.5
Net Weight (kgs)	10	12
Communication Interface	USB, RS232, RS485, WiFi, Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

OFF- GRID INVERTER Axpert King II TWIN





- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Detachable LCD control module with multiple communications
- Built-in Wi-Fi for mobile monitoring (App is available)
- Configurable AC/Solar input priority via LCD setting
- Reserved communication port for BMS (RS485 or CAN-BUS)
- High PV input voltage range
- Selectable high power charging current
- USB On-the-Go function
- Parallel operation up to 9 units



Axpert King II TWIN Off-Grid Inverter Selection Guide

MODEL		Axpert King II TWIN 6K	
Rated Power		6000VA/6000W	
Parallel Capability		Up to 9 units	
GRID INPUT			
Voltage		230 VAC	
Voltage Range		110-280 VAC	
Frequency Range		50 Hz/60 Hz (Auto sensing) ± 4Hz	
Power Factor		\ge 0.98 @ Nominal Voltage (100% Load)	
THDi		≦ 10%	
OUTPUT			
AC Voltage Regulation (Line&	Batt. Mode)	230VAC ± 5%	
Frequency Range (Synchroniz		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Harmonic Distortion		equal 3 % THD (Linear Load); $equal$ 5 % THD (Non-linear Load)	
	Transfer	0 ms	
Transfer Time	Time	4 ms (Typical)	
Waveform		Pure sine wave	
EFFICIENCY			
Line Mode		94%	
ECO Mode		98%	
Battery Mode		92%	
BATTERY			
Battery Voltage		40~66 VDC	
Floating Charge Voltage		54 VDC	
Overcharge Protection		66 VDC	
SOLAR INPUT			
Solar Charger type		МРРТ	
Maximum PV Array Power		6000 W	
MPPT Range @ Operating Vo	ltage	120 ~ 430 VDC	
Maximum PV Array Open Circ	•	500 VDC	
Maxmum Solar Charge Currer	-	120A	
Maximum AC Charge Current		120A	
PHYSICAL			
Dimension, D x W x H (mm)		140 x 295 x 468	
Net Weight (kgs)		12	
Communication Interface		RS232, USB, Dry contact, WI-FI, RS485	
ENVIRONMENT		······································	
Humidity		5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature		-10°C to 50°C	
Storage Temperature		-15°C to 60°C	
<u> </u>	o change without further potice		



OFF- GRID INVERTER Axpert MAX TWIN



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 90VDC ~ 450VDC
- Replaceable fan design for ease of maintenance
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Compatible to Utility Mains or generator input
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Status indication with RGB lights
- Battery independent design
- Selectable high power charging current
- Supports USB On-the-Go function
- Built-in anti-dust kit
- Parallel operation with 6 units



Axpert MAX TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert MAX TWIN 8K	Axpert MAX TWIN 11K	
Rated Power	8000VA/8000W	11000VA/11000W	
Parallel Capability	YES	, 6 units	
INPUT			
Voltage	23	0 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Compute	ers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz	z (Auto sensing)	
Ουτρυτ			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	230VAC ± 5%	
Surge Power	16000VA	22000VA	
Efficiency (Peak)	9	93%	
Transfer Time	10 ms (For Personal Computer	rs) ; 20 ms (For Home Appliances)	
Waveform	Pure s	sine wave	
DC Voltage	12 VDC ± 5%, 100W	N/A	
BATTERY			
Battery Voltage	48 VDC	48 VDC	
Floating Charge Voltage	54 VDC	54 VDC	
Overcharge Protection	66 VDC	63 VDC	
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	МРРТ		
Maximum PV Array Power	8000W (4000W x 2)	11000W (5500W x 2)	
MPPT Range @ Operating Voltage	90 ~ 450 VDC	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC	
Maximum PV Input Current	27A x 2	(MAX 40A)	
Maxmum Solar Charge Current	120A	150A	
Maximum AC Charge Current	120A	150A	
Maximum Charge Current	120A	150A	
PHYSICAL			
Dimension, D x W x H (mm)	147.4 x 4	32.5 x 553.6	
Net Weight (kgs)	18.4		
Communication Interface	USB, RS232, RS485, WiFi, Dry-contact		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		
STANDARD			
Compliance Safety		CE	



OFF- GRID INVERTER Axpert Ultra TWIN



- Dual outputs for smart load management
- $\Box \mathsf{Two}$ independent AC power sources connected and switched automatically
- Built-in current transformer sensor to meet self-consumption application
- □Support external BTS (Battery Temperature Sensor) detection
- □Built-in power status lighting indicators
- □Built-in 2.8" colored LCD with slide operation
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade
- □Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Support optional GFCI, Rapid shutdown, AFCI detections
- □Supports USB On-the-Go function
- □Parallel operation with 6 units



Axpert Ultra Off-Grid Inverter Selection Guide

MODEL	Axpert Ultra TWIN 8K	Axpert Ultra TWIN 11K
Rated Power	8000VA/8000W	11000VA/11000W
Parallel Capability		YES, 6 units
INPUT		
Voltage		230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Co	mputers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz	/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)		230VAC ± 5%
Surge Power	16000VA	22000VA
Efficiency (Peak)		93%
Transfer Time	10 ms (For Personal Cor	nputers) ; 20 ms (For Home Appliances)
Waveform		Pure sine wave
BATTERY		
Battery Voltage		48 VDC
Floating Charge Voltage		54 VDC
Overcharge Protection		63 VDC
SOLAR CHARGER & AC CHARGER	·	
Solar Charger Type		MPPT
Maximum PV Array Power	10000W (5000W × 2)	12000W (6000W × 2)
MPPT Range @ Operating Voltage		90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage		500 VDC
Maximum PV Input Current	27	7A × 2 (MAX 40A)
Maxmum Solar Charge Current	150A	150A
Maximum AC Charge Current	120A	150A
Maximum Charge Current	150A	150A
PHYSICAL		
Dimension, D x W x H (mm)	14	45 × 438 × 553.6
Net Weight (kgs)		18.4
Communication Interface	USB, RS232, RS485, WiFi, Dry-contact, BTS, Support optional GFCI, Rapid shutdown, AFCI detection	
External Current Sensor Port	Yes, built-in current transformer sensor	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
STANDARD	·	
Compliance Safety	CE	

ON-GRID INVERTER WITH ENERGY STORAGE InfiniSolar WP TWIN





- Available on the
- · IP65 waterproof and dustproof makes the inverter available for various working conditions
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalaned load support
- · Reserved communication port for BMS (RS485)
- Maximum PV input current 27A
- · Dual outputs for smart load management
- · User-adjustable charging current
- · Parallel operation up to 6 units



InfiniSolar WP TWIN Three Phase On-Grid Inverter with Energy Storage Selection Guide

MODEL	InfiniSolar WP TWIN 15kw		
Maximum PV Input Power	22500 W		
Rated Output Power	15000 W		
Aaximum Charging Power	15000 W		
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC		
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		
/PP Voltage Range	350 VDC ~ 950 VDC		
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		
Number of Strings Per MPP Tracker	A: 2, B: 2		
GRID OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Dutput Voltage Range	184 - 265 VAC per phase		
Iominal Output Current	21.7 A per phase		
Power Factor Range	0.9 lag ~ 0.9 lead		
FFICIENCY			
Aximum Conversion Efficiency (DC/AC)	>96%		
European Efficiency@ Vnominal	>95%		
DFF-GRID OPERATION			
AC INPUT			
C Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
cceptable Input Voltage Range	170 - 290 VAC per phase		
Aximum AC Input Current	40A		
PV INPUT (DC)			
Aximum DC Power	22500 W		
faximum DC Voltage	1000 VDC		
IPP Voltage Range	350 VDC ~ 950 VDC		
lumber of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		
lumber of Strings Per MPP Tracker	A: 2, B: 2		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Dutput Waveform	Pure sine wave		
Efficiency (DC to AC)	91%		
IYBRID OPERATION			
VINPUT (DC)			
Aaximum DC Voltage	1000 VDC		
itart-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		
/PP Voltage Range	350 VDC ~ 950 VDC		
Jumber of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		
Jumber of Strings Per MPP Tracker	A: 2, B: 2		
GRID OUTPUT (AC)			
Jominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Dutput Voltage Range	184 - 265 VAC per phase		
Jominal Output Current	21.7 A per phase		
C Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
Acceptable Input Voltage Range	170 - 290 VAC per phase		
Aximum AC Input Current	40A		
BATTERY MODE OUTPUT (AC)			
Iominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
ifficiency (DC to AC)	91%		
SATTERY & CHARGER			
attery Voltage Range	40 ~ 62 VDC		
Maximum Charging Current	300 A		
SENERAL	000 //		
PHYSICAL			
Dimension, D x W x H (mm)	255 x 660 x 750		
let Weight (kgs)	78		
NTERACE	10		
Communication Port	RS-232, RS-485, USB, CAN and Wi-Fi		
ntelligent Slot	CAN and Wi-Fi Optional for SNMP and Modbus cards		
NVIRONMENT			
Invitionment	$0 \approx 100\%$ PH (Non condensing)		
-	0 ~ 100% RH (Non-condensing)		
Deperating Temperature	-25 to 60°C, > 45°C power derating 0 ~ 1000 m**		
Altitude	0~ 1000 m		

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements. ** Power derating 1% every 100 m when altitude is over 1000m. Product specifications are subject to change without further n



ON-GRID INVERTER WITH ENERGY STORAGE InfiniSolar WP





- · IP65 waterproof and dustproof
- Built-in third generation SIC MOSEFET improves efficiency
- Built-in communication port for BMS (RS485)
- · Accept dual AC inputs, utility power and generator power
 - Built-in WiFi for mobile monitoring (App is available)
- User-adjustable charging current up to 50A
- · Wide battery input range
- 150% unbalaned load support
- Parallel operation up to 4 units



InfiniSolar WP Three Phase On-Grid Inverter with Energy Storage Specification

MODEL	InfiniSolar WP 30kw	
Maximum PV Input Power	40000 W	
Rated Output Power	30000 W	
Maximum Charging Power	30000 W	
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC	
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	
MPP Voltage Range	350 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	3 / A: 26A, B: 26A, C: 26A	
Number of Strings Per MPP Tracker	A: 2, B: 2, C: 2	
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Dutput Voltage Range	184 - 265 VAC per phase	
Nominal Output Current	43.5 A per phase	
Power Factor	0.9 lag ~ 0.9 lead	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	96.5%	
European Efficiency@ Vnominal	96%	
DFF-GRID OPERATION	0070	
AC INPUT		
	120 140 VAC / 180 VAC per phone	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Aaximum AC Input Current	50A	
PV INPUT (DC)		
Aaximum DC Voltage	1000 VDC	
IPP Voltage Range	350 VDC ~ 900 VDC	
Jumber of MPP Trackers / Maximum Input Current	3 / A: 26A, B: 26A, C: 26A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Dutput Waveform	Pure sine wave	
Efficiency (DC to AC)	97%	
HYBRID OPERATION		
PV INPUT (DC)		
Aximum DC Voltage	1000 VDC	
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	
/PP Voltage Range	350 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	3 / A: 26A, B: 26A, C: 26A	
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Dutput Voltage Range	184 - 265 VAC per phase	
Nominal Output Current	43.5 A per phase	
AC INPUT	to to be higher	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
	50A	
Aaximum AC Input Current	AUG	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	97%	
BATTERY & CHARGER		
Battery Voltage Range	500 ~ 900 VDC	
Aaximum Charging Current	50 A	
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	255 x 660 x 750	
Vet Weight (kgs)	73	
NTERACE		
Communication Port	RS-232, USB, DRY CONTACT, RS-485 and Wi-Fi	
ntelligent Slot	Optional SNMP, MODBUS and GPRS	
ENVIRONMENT		
Humidity	0~100% RH	
-		
Operating Temperature		
Dperating Temperature Altitude	-25°C to 60°C (> 45°C De-rating) 0 ~ 1000 m**	

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements. ** Power derating 1% every 100 m when altitude is over 1000m. Product specifications are subject to change without further n



ON-GRID INVERTER WITH ENERGY STORAGE





Available on the App Store

Ni Fi

- Maximum PV input current 27A
- Dual outputs for smart load management
- Touchable button with 4.3" colored LCD
- Self-consumption and Feed-in to the grid
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in Wi-Fi for mobile monitoring (App is available)
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Reserved communication port for BMS
- Parallel operation up to 9 units



InfiniSolar V IV TWIN On-Grid Inverter with Energy Storage Selection Guide

MODEL	InfiniSolar V IV TWIN 6KW		
Phase	1-phase in / 1-phase out		
Maximum PV Input Power	6000W		
Rated Output Power	6000W		
Maximum Charging Power	6000W		
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC		
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC		
MPP Voltage Range	120 VDC ~ 430 VDC		
Number of MPP Trackers / Maximum Input Current	1/27A		
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)		
Nominal Output Current	26A		
Power Factor	> 0.9		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	95%		
OFF-GRID OPERATION	95%		
AC INPUT AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
Ac Start-up Voltage / Auto Restart Voltage	90 - 280 VAC or 170 - 280 VAC		
Acceptable input voltage Range Maximum AC Input Current	90 - 280 VAC of 170 - 280 VAC 40A		
PV INPUT (DC)	40A		
	500 VDC		
Maximum DC Voltage	120 VDC ~ 430 VDC		
MPP Voltage Range	1/27A		
Number of MPP Trackers / Maximum Input Current	1/2/A		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sinewave		
Efficiency (DC to AC)	93%		
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC 120VDC / 150 VDC		
Start-up Voltage / Initial Feeding Voltage MPP Voltage Range	120 VDC ~ 430 VDC		
	1/20 VDC ~ 430 VDC		
Number of MPP Trackers / Maximum Input Current GRID OUTPUT (AC)	1/2/A		
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)		
Nominal Output Current	26A		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Maximum AC Input Current	40A		
BATTERY MODE OUTPUT (AC)	200/200/240 VAO		
Nominal Output Voltage	220/230/240 VAC		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER	(2)00		
Nominal DC Voltage	48 VDC		
Maximum Solar Charging Current	120A		
Maximum AC Charging Current	120A		
Maximum Charging Current	120A		
GENERAL PHYSICAL			
	140 x 295 x 468		
Dimension, D x W x H (mm)			
Net Weight (kgs)	12		
	No. Overla		
Parallel Function	Yes, 9 units		
Communication Port	USB, RS232, RS485, Wifi, Dry-contact		
ENVIRONMENT			
Humidity	0 ~ 90% RH (Non-condensing)		
Operating Temperature	-10 to 50°C		
Draduct encoifications are subject to change without further noti-			



ON-GRID INVERTER WITH ENERGY STORAGE







Available on the App Store

Wi Fi

- Dual outputs for smart load management
- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485), Wi-Fi
- Self-consumption and Feed-in to the grid
- User-adjustable charging current and voltage
 - Parallel operation up to 9 units



Infini V4 WP On-Grid Inverter with Energy Storage Selection Guide

MODEL Infini V4 WP 6kw Phase 1-phase in / 1-phase out Maximum PV Input Power 7000W Rated Output Power 6000VA / 6000W Maximum Charging Power 6000W GRID-TIE OPERATION 6000W PV INPUT (DC) 550 VDC Nominal DC Voltage / Maximum DC Voltage 550 VDC			
Maximum PV Input Power 7000W Rated Output Power 6000VA / 6000W Maximum Charging Power 6000W GRID-TIE OPERATION 6000W PV INPUT (DC) 550 VDC			
Rated Output Power 6000VA / 6000W Maximum Charging Power 6000W GRID-TIE OPERATION 000000000000000000000000000000000000			
GRID-TIE OPERATION PV INPUT (DC) Nominal DC Voltage / Maximum DC Voltage 550 VDC			
GRID-TIE OPERATION PV INPUT (DC) Nominal DC Voltage / Maximum DC Voltage 550 VDC			
PV INPUT (DC) Nominal DC Voltage / Maximum DC Voltage 550 VDC			
Nominal DC Voltage / Maximum DC Voltage 550 VDC			
Start-up Voltage / Initial Feeding Voltage 120VDC / 150 VDC			
MPP Voltage Range 120 VDC ~ 430 VDC			
Number of MPP Trackers / Maximum Input Current 1 / 30A			
GRID OUTPUT (AC)			
Nominal Output Voltage 220/230/240 VAC			
Output Voltage Range 184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selection 2014)			
Addative age of the second of	able)		
Normal Super Current 2004			
FFICIENCY			
Maximum Conversion Efficiency (DC/AC) 97%			
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC			
Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC			
Frequency Range 50 Hz/60 Hz (Auto sensing)			
Maximum AC Input Current 40A			
PV INPUT (DC)			
Maximum DC Voltage 500 VDC			
MPP Voltage Range 120 VDC ~ 430 VDC			
Number of MPP Trackers / Maximum Input Current 1 / 30A			
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage 220/230/240 VAC			
Output Waveform Pure sinewave			
Efficiency (DC to AC) 93%			
HYBRID OPERATION			
PV INPUT (DC)			
Maximum DC Voltage 550 VDC			
Start-up Voltage / Initial Feeding Voltage 120VDC / 150 VDC			
MPP Voltage Range 120 VDC ~ 450 VDC			
Number of MPP Trackers / Maximum Input Current 1 / 30A			
GRID OUTPUT (AC)			
Nominal Output Voltage 220/230/240 VAC			
Output Voltage Range 184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selec	stable)		
Nominal Output Current 26A			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC			
Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC			
Maximum AC Input Current 40A			
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage 220/230/240 VAC			
Efficiency (DC to AC) 93%			
BATTERY & CHARGER			
Nominal DC Voltage 48 VDC			
Maximum Solar Charging Current 120A			
Maximum AC Charging Current 120A			
	1204		
Institution of adjunct in the second se			
DHYSICAL			
	192 x 360 x 665		
	22.5		
	Yes, 9 units USB or RS-232/Drv Contact/RS485/Wi-Fi		
	USB or RS-232/Dry Contact/RS485/Wi-Fi		
ENVIRONMENT			
Humidity 0 ~ 95% RH (No condensing)			



ON-GRID INVERTER WITH ENERGY STORAGE



- Pure sine wave output
- · Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- 3 MPPT Inputs up to 180A solar charging current at 48Vdc battery voltage



InfiniSolar VII 3-phase in/3-phase out On-Grid Inverter With Energy Storage Selection Guide

Max. PV Array Power 9000W 12000W 15000W Rated Output Power 6000W 9000W 15000W Maximum PV Array Open Circuit Voltage 450 VDC 450 VDC 450 VDC MPT Range @ Operating Voltage 120 VDC - 430 VDC 120 VDC - 430 VDC 120 VDC - 430 VDC MPT Ranker Number 3 3 3 3 SRID-TIE OPERATION SRID OUTPUT (AC) 3 <t< th=""><th>MODEL</th><th>InfiniSolar VII 3P-6KW</th><th>InfiniSolar VII 3P-9KW</th><th>InfiniSolar VII 3P-15KW</th></t<>	MODEL	InfiniSolar VII 3P-6KW	InfiniSolar VII 3P-9KW	InfiniSolar VII 3P-15KW
Rated Output Power 6000W 9000W 15000W Maimum PV Array Open Circuit Voltage 450 VDC	PHASE		3-phase in / 3-phase out	
Maximum PV Array Open Circuit Voltage 450 VDC 450 VDC 450 VDC MPPT Range @ Operating Voltage 120 VDC - 430 VDC 120 VDC - 430 VDC 120 VDC - 430 VDC MPP Tracker Number 3 3 3 3 SRID-TIE OPERATION STAP AND VDC 120 VDC - 430 VDC 120 VDC - 430 VDC SRID-TIE OPERATION STAP AND VDC 120 VDC / 430 VDC (P-N) / 300/400/415 VAC (P-P) Suminal Output Voltage 120 A C (P-N) / 300/400/415 VAC (P-P) 201/200/240 VAC (P-N) / 300/400/415 VAC (P-P) Suminal Output Voltage Range 195 5 - 253 VAC per phase @ India Regulation 184 - 264.5 VAC per phase @ India Regulation Nominal Output Current 8.7 A per phase 13 A per phase 21.7 A per phase Power Factor > 0.99 5 250 VAC or 170 - 280 VAC per phase 201/240 VAC per phase Power Factor > 0.99 50 H2/60 Hz (Auto sensing) 95% 95% 95% SetTerey Voltage Ando Restart Voltage 90 - 280 VAC or 170 - 280 VAC per phase 30 A per phase 30 A per phase SetTerey MODE OUTPUT (AC) 30 A per phase 30 A per phase 30 A per phase Sot H2/60 Hz (Auto Sensin	Max. PV Array Power	9000W	12000W	15000W
MPPT Range @ Operating Voltage 120 VDC ~ 430 VDC 120 VDC ~ 430 VDC 120 VDC ~ 430 VDC MPP Tracker Number 3 3 3 SRID-TIE OPERATION SRID 3 3 SRID OUTPUT (AC) 220/230/240 VAC (P-N) / 380/400/415 VAC (P-P) Dutput Voltage Range 185.5 - 263 VAC per phase @ (German Regulation Nominal Output Current 8.7 A per phase 13 A per phase @ (German Regulation Nominal Output Current 8.7 A per phase 13 A per phase @ (German Regulation SRID OUTPUT (AC) > 0.99 Variant Conversion Efficiency (DC/AC) 95% 95% 95% OPF-GRID, HYBRIO OPERATION GRID INPUT CK Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC per phase Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC per phase Maximum AC Input Current 20 A per phase 30 A per phase 30 A per phase So HZERD VIDE 220/230/240 VAC per phase 30 A per phase So HZERD VIDE 93% 30 A per phase	Rated Output Power	6000W	9000W	15000W
MPP Tracker Number 3 3 3 SRID-TE OPERATION	Maximum PV Array Open Circuit Voltage	450 VDC	450 VDC	450 VDC
SRID-TIE OPERATION SRID OUTPUT (AC) SRID OUTPUT (AC) SRID OUTPUT (AC) SIND OUTPUT (AC) SIND OUTPUT (AC) SUbject Carrent Carre	MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
SRID OUTPUT (AC) Nominal Output Voltage 220/230/240 VAC (P-N) / 380/400/415 VAC (P-P) Untput Voltage Range 195.5 - 253 VAC per phase @ femila Regulation 184 - 284.5 VAC per phase @ German Regulation 184 - 284.5 VAC per phase @ German Regulation Nominal Output Current 8.7 A per phase 13 A per phase 21.7 A per phase Power Factor > 0.99 55% 95% 95% Per GRD, HYBRID OPERATION Serker Not Serker Voltage 20.7 (100 VAC / 180 VAC per phase 56.9 (100 VAC per phase) CAS CafarLy Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC per phase 30 A per phase Frequency Range 0.2 - 280 VAC or 170 - 280 VAC per phase 30 A per phase Sattrup Voltage Range 0.2 - 280 VAC or 170 - 280 VAC per phase 30 A per phase Sattrup Voltage Range 220/230/240 VAC per phase 30 A per phase Sattrup Voltage Range 220/230/240 VAC per phase 30 A per phase Sattrup Voltage Voltage 220/230/240 VAC per phase 30 A per phase Sattrup Voltage Voltage 220/230/240 VAC per phase 30 A per phase Sattrup Voltage Voltage 48 VDC 48 WDC 48 WDC	MPP Tracker Number	3	3	3
Nominal Output Voltage 220/230/240 VAC (P-N) / 380/400/415 VAC (P-P) Dutput Voltage Range 195.5 - 253 VAC per phase @ India Regulation Nominal Output Current 8.7 A per phase 13 A per phase 21.7 A per phase Power Factor > 0.99 > > > 0.99 EFFICIENCY > 0.95% 95% 95% 05% <	GRID-TIE OPERATION			
Mutput Voltage Range 195.5 - 253 VAC per phase @ India Regulation 184 - 264.5 VAC per phase @ German Regulation Vominal Output Current 8.7 A per phase 13 A per phase 21.7 A per phase Power Factor > 0.99 > 95%	GRID OUTPUT (AC)			
Output Output Raining 284,5 VAC per phase @ German Regulation Nominal Output Current 8.7 A per phase 13 A per phase 2.17 A per phase Sower Factor > 0.99 Sover Factor > 0.99 Sover Factor > 0.99 Sover Factor > 0.99 Sover Factor Sover Factor Sover Factor Sover Factor Sover F	Nominal Output Voltage	220/	230/240 VAC (P-N) / 380/400/415 VAC	; (P-P)
Power Factor > 0.99 EFFICIENCY > 0.99 BAXIMUM Conversion Efficiency (DC/AC) 95% 95% 95% OFF-GRID, HYBRID OPERATION GRID INPUT AC AC Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC per phase AC Start-up Voltage / Auto Restart Voltage 90 - 280 VAC or 170 - 280 VAC per phase AC Frequency Range 50 Hz/60 Hz (Auto sensing) Maximum AC Input Current 20 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) Nominal Output Voltage 220/230/240 VAC per phase 30 A per phase Voltage Voltage 220/230/240 VAC per phase 30 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) Pure sine wave Start-up and the sector of the sect	Output Voltage Range			
EFFICIENCY Maximum Conversion Efficiency (DC/AC) 95% 95% 95% OFF-GRID, HYBRID OPERATION 568 95% 45%	Nominal Output Current	8.7 A per phase	13 A per phase	21.7 A per phase
Maximum Conversion Efficiency (DC/AC) 95% 95% 95% OFF-GRID, HYBRID OPERATION	Power Factor		> 0.99	
OFF-GRID, HYBRID OPERATION GRID INPUT AC Start-up Voltage / Auto Restart Voltage AC Start-up Voltage / Auto Restart Voltage Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range So Thz/60 Hz (Auto sensing) Maximum AC Input Current 20 A per phase So A per phase 30 A per phase BATTERY MODE OUTPUT (AC) Pure sine wave Nominal Output Voltage 220/230/240 VAC per phase Output Waveform Pure sine wave Efficiency (DC to AC) 93% BATTERY & CHARGER 93% Nominal DC Voltage 48 VDC Maximum Solar Charge Current 180 A Maximum AC Charge Current 180 A GENERAL 180 A PHYSICAL S88 x 260 x 655 Dimension, D x W x H (mm) 588 x 260 x 655 Not K H (kgs) 36 38 40	EFFICIENCY			
SRID INPUT AC Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC per phase Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range 50 Hz/60 Hz (Auto sensing) Waximum AC Input Current 20 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) 220/230/240 VAC per phase 30 A per phase Nominal Output Voltage 220/230/240 VAC per phase 200 per phase Dutput Waveform Pure sine wave 100 per phase 100 per phase BATTERY & CHARGER 93% 93% 100 per phase Startiery & Charge Current 180 A 100 per phase 100 per phase Maximum AC Charge Current 180 A 180 A 100 per phase Maximum AC Charge Current 180 A 180 A 100 per phase Vaximum AC Charge Current 180 A 40 per phase 180 A 40 per phase BATTERY & CHARGER 180 A 30 per phase 40 per phase	Maximum Conversion Efficiency (DC/AC)	95%	95%	95%
AC Start-up Voltage / Auto Restart Voltage 120 - 140 VAC / 180 VAC per phase Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC per phase Frequency Range 00 - 280 VAC or 170 - 280 VAC per phase Frequency Range 00 A per phase 30 A per phase Maximum AC Input Current 20 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) 220/230/240 VAC per phase 30 A per phase Nominal Output Voltage 220/230/240 VAC per phase 20 Dutput Waveform Pure sine wave 100 Efficiency (DC to AC) 93% 30 BATTERY & CHARGER 93% 30 Nominal DC Voltage 48 VDC 180 A Maximum AC Charge Current 180 A 180 A Maximum Charge Current 180 A 180 A GENERAL 180 A 36 36 PHYSICAL 180 A 40 Dimension, D x W x H (mm) 588 x 260 x 655 40 NTERFACE 2000 Constant 40 ENVIRONMENT USB, RS-232 and dry contact 50 FORMENT USB, RS-232 and dry contact 50 ENVIRONMENT	OFF-GRID, HYBRID OPERATION			
Acceptable Input Voltage Range 90 - 280 VAC or 170 - 280 VAC pr phase Frequency Range 50 Hz/60 Hz (Auto sensing) Maximum AC Input Current 20 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) 30 A per phase 30 A per phase Nominal Output Voltage 220/230/240 VAC per phase 200/230/240 VAC per phase Dutput Waveform Pure sine wave 51 Hz/60 Hz (Auto sensing) BATTERY & CHARGER 93% 50 Hz/60 Hz (Auto sensing) BATTERY & CHARGER 93% 50 Hz/60 Hz (Auto sensing) Nominal DC Voltage 48 VDC 93% BATTERY & CHARGER 180 A 60 Hz (Auto sensing) Vaximum Solar Charge Current 180 A 60 Hz (Auto sensing) Maximum Charge Current 180 A 66 HERAL PHYSICAL 180 A 66 HERAL Dimension, D x W x H (mm) 588 x 260 x 655 65 Net Weight (kgs) 36 38 40 NTERFACE 200 Sense	GRID INPUT			
Trequency Range 50 Hz/60 Hz (Auto sensing) Maximum AC Input Current 20 A per phase 30 A per phase BATTERY MODE OUTPUT (AC) 220/230/240 VAC per phase 30 A per phase Nominal Output Voltage 220/230/240 VAC per phase 200 Output Waveform Pure sine wave 200 Efficiency (DC to AC) 93% 36 BATTERY & CHARGER 180 A 200 Nominal DC Voltage 48 VDC 48 VDC Maximum Solar Charge Current 180 A 200 Maximum AC Charge Current 180 A 200 Maximum AC Charge Current 180 A 200 Maximum Charge Current 180 A 200 Dimension, D x W x H (mm) 588 x 260 x 655 200 Net Weight (kgs) 36 38 40 NTERFACE 200 20% RH (Non-condensing) </td <td>AC Start-up Voltage / Auto Restart Voltage</td> <td></td> <td>120 - 140 VAC / 180 VAC per phase</td> <td></td>	AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC per phase	
Maximum AC Input Current 20 A per phase 30 A per phase 30 A per phase BATTERY MODE OUTPUT (AC)	Acceptable Input Voltage Range	9	0 - 280 VAC or 170 - 280 VAC per pha	se
BATTERY MODE OUTPUT (AC) Nominal Output Voltage Output Waveform Output Voltage Output Waveform Efficiency (DC to AC) BATTERY & CHARGER Nominal DC Voltage ARTREY & CHARGER Nominal DC Voltage ARTREY & CHARGER Maximum Solar Charge Current Anaximum Solar Charge Current Anaximum AC Charge Current Anaximum AC Charge Current Anaximum Current Anaximum Current Anaximum Current Anaximum Current A	Frequency Range		50 Hz/60 Hz (Auto sensing)	
Nominal Output Voltage220/230/240 VAC per phaseOutput WaveformPure sine waveEfficiency (DC to AC)93%BATTERY & CHARGERVoltage48 VDCMaximum Solar Charge CurrentAllo VoltageAllo VoltageMaximum AC Charge CurrentMaximum AC Charge CurrentMaximum AC Charge CurrentMaximum AC Charge CurrentMaximum Charge CurrentMax	Maximum AC Input Current	20 A per phase	30 A per phase	30 A per phase
Output Waveform Pure sine wave Efficiency (DC to AC) 93% BATTERY & CHARGER 93% BATTERY & CHARGER 93% Nominal DC Voltage 48 VDC Maximum Solar Charge Current 180 A Maximum AC Charge Current 180 A Maximum Charge Current 180 A GENERAL 180 A PHYSICAL 180 A Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE USB, RS-232 and dry contact Secondard contact ENVIRONMENT 0 ~ 90% RH (Non-condensing) Secondard contact	BATTERY MODE OUTPUT (AC)			
Efficiency (DC to AC) 93% BATTERY & CHARGER Nominal DC Voltage 48 VDC Maximum Solar Charge Current 180 A 180 A Maximum AC Charge Current 180 A 180 A Maximum Charge Current 180 A Image: Colspan="2">Colspan="2"Colsp	Nominal Output Voltage	220/230/240 VAC per phase		
A CHARGER Nominal DC Voltage Nominal DC Voltage 48 VDC Maximum Solar Charge Current 180 A Maximum AC Charge Current 180 A Maximum Charge Current 180 A Maximum Charge Current 180 A Maximum Charge Current 180 A GENERAL 180 A PHYSICAL 180 A Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE USB, RS-232 and dry contact 40 ENVIRONMENT 0 ~ 90% RH (Non-condensing) 580 x 200 x 655	Output Waveform	Pure sine wave		
Nominal DC Voltage 48 VDC Maximum Solar Charge Current 180 A Maximum AC Charge Current 180 A Maximum Charge Current 180 A GENERAL 180 A PHYSICAL 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE USB, RS-232 and dry contact 40 ENVIRONMENT USB, RS-232 and dry contact 50 ~ 90% RH (Non-condensing)	Efficiency (DC to AC)	93%		
Maximum Solar Charge Current 180 A Maximum AC Charge Current 180 A Maximum Charge Current 180 A GENERAL 180 A PHYSICAL 180 A Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE USB, RS-232 and dry contact 40 ENVIRONMENT 0 ~ 90% RH (Non-condensing) 40	BATTERY & CHARGER			
Maximum AC Charge Current180 AMaximum Charge Current180 AMaximum Charge Current180 AGENERAL180 APHYSICALDimension, D x W x H (mm)588 x 260 x 655Net Weight (kgs)363840INTERFACECommunication PortsUSB, RS-232 and dry contactENVIRONMENTHumidity0 ~ 90% RH (Non-condensing)	Nominal DC Voltage		48 VDC	
Maximum Charge Current 180 A GENERAL 180 A PHYSICAL Immediate Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE Immediate Immediate Immediate Communication Ports USB, RS-232 and dry contact Immediate ENVIRONMENT 0 ~ 90% RH (Non-condensing) Immediate	Maximum Solar Charge Current		180 A	
GENERAL Second state PHYSICAL	Maximum AC Charge Current		180 A	
PHYSICAL Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE Communication Ports USB, RS-232 and dry contact ENVIRONMENT Interface Environment Interface ID (SB, RS-232 and dry contact Environment ID (SB, RS-232 and dry contact	Maximum Charge Current		180 A	
Dimension, D x W x H (mm) 588 x 260 x 655 Net Weight (kgs) 36 38 40 INTERFACE Communication Ports USB, RS-232 and dry contact ENVIRONMENT Humidity 0 ~ 90% RH (Non-condensing)	GENERAL			
Net Weight (kgs) 36 38 40 INTERFACE Communication Ports USB, RS-232 and dry contact ENVIRONMENT Humidity 0 ~ 90% RH (Non-condensing)	PHYSICAL			
INTERFACE Communication Ports USB, RS-232 and dry contact ENVIRONMENT Humidity 0 ~ 90% RH (Non-condensing)	Dimension, D x W x H (mm)	588 x 260 x 655		
Communication Ports USB, RS-232 and dry contact ENVIRONMENT Humidity 0 ~ 90% RH (Non-condensing)	Net Weight (kgs)	36	38	40
ENVIRONMENT Humidity 0 ~ 90% RH (Non-condensing)	INTERFACE			
Humidity 0 ~ 90% RH (Non-condensing)	Communication Ports		USB, RS-232 and dry contact	
	ENVIRONMENT			
Operating Temperature 0 to 50°C	Humidity	0 ~ 90% RH (Non-condensing)		
	Operating Temperature	0 to 50°C		

