










SOLAR INVERTER IVPA SERIES

-  Bypass charging function, AC charge available When the unit off.
-  MPPT Built-in MPPT Controller.
-  80-140V/90-280V AC Wide input voltage.
-  110V/220V Double line wire port.
-  Higher charging current and adjustable.
-  Communicate with Felicity MPPT charge controller.
-  Intelligent protection, higher class of security.

Specification

Model	IVPA3524	IVPA5048	IVPA7548	IVPA10048
Rated Output Power(VA)	3500VA	5000VA	7500VA	10000VA
Rated Output Power(W)	2800W	4000W	6000W	8000W
Nominal DC Input Voltage	24V	48V	48V	48V
Input Voltage Waveform	Sinusoidal(Utility or generator)			
Terminal connection	L-N		HOT1-HOT2	
Nominal Input Voltage	120Vac		220Vac	
Low Line Disconnect	90±3Vac (UPS) 80Vac±3V(APL)		170±7Vac (UPS) 90±7Vac(APL)	
Low Line Re-connect AC Input Range	90±3Vac (UPS) 85Vac±3V(APL)		180±7Vac (UPS) 100±7Vac(APL)	
High Line Disconnect	140±3Vac		280±7Vac	
High Line Re-connect	135±3Vac		270±7Vac	
Max AC Input Voltage	140Vrms		280Vrms	
Nominal Input Frequency	50Hz/60Hz			
Output Voltage Waveform	As same as input waveform			
Over-Load Protection(SMPS load)	Overcurrent protector	air switch protection	Overcurrent protector	air switch protection
Output Short Circuit Protection	Overcurrent protector	air switch protection	Overcurrent protector	air switch protection
Efficiency(Line mode)	≥95%			
Transfer Time (AC to DC)	15ms (typical value)			
Transfer Time (DC to AC)	15ms (typical value)/30ms (special value)			
Pass Through Without Battery	NO			
Overcurrent Protector (Utility)	50A	63A	63A	63A
Utility Charge Mode Specifications				
Input Voltage Range	80-140Vac		90-280Vac	
Max Charge Current	40A	50A	60A	80A
Charge Current Regulation	0-40A	0-50A	0-60A	0-80A
Charger Short Circuit	50A	63A	63A	63A
Breaker Size	Dependent on battery type or Self-defined			
Over Charge Protection	YES			
Solar Charging & Utility Charging(MPPT built-in controller is optional)				
Max PV Open Circuit Voltage	145Vdc	195Vdc	195Vdc	195Vdc
PV Voltage Working Range	30~145Vdc	60~195Vdc	60~195Vdc	60~195Vdc
Max Input Power	2200W	6600W	6600W	6600W
Max Solar Charging Current	80A	120A	120A	120A
Max Charging current(Utility + Solar)	120A	170A	180A	200A
General Specifications				
Operating temperature	0°C~40°C			
Storage temperature	-15°C~60°C			
Net Weight(KG)	31.0KG	35.5KG	41.6KG	58.5KG
Gross Weight(KG)	34.3KG	39.2KG	44.8KG	70.6KG
Product Dimension(D*W*H)	472x391x195mm	525x420x195mm		615x420x195mm
Package Dimension(D*W*H)	552x408x290mm	607x540x290mm		690x480x335mm