

# DIAMOND. II

S E R I E S

80A  
TRUE MPPT

## PV3000 PV4500

DIAMOND 6G 2.2KVA & 3.2KVA  
MULTIPLE OPERATION MODES SUPPORT



## KEY SALIENT FEATURES

- ✓ INTRODUCING 1ST TIME IN PAKISTAN REAL 6TH GEN INVERTER, SUPPORTING HIGH EFFICIENCY MOSFET, CHOPPER WITH BIGGER SIZE.
- ✓ DIAMOND II SERIES INVERTER SUPPORTS MULTIPLE OPERATION MODES
- ✓ 100% PURE SINE WAVE SOLAR INVERTER
- ✓ OUTPUT POWER FACTOR 1.0
- ✓ INVERTER RUNNING WITH BATTERY
- ✓ RECORD FAULT CODE FEATURE IN PROGRAM (25)
- ✓ ADAPTABLE TO MAIN VOLTAGE / GENERATOR POWER
- ✓ CONFORMAL COATING TO PREVENT FROM DUST AND HUMIDITY
- ✓ BUILT-IN AUTOMATIC ELECTRONICS BREAKER
- ✓ UPGRADED LCD FUNCTION DESIGN WITH TOUCH BUTTONS
- ✓ COMPATIBLE WITH ALL KINDS OF LITHIUM BATTERIES
- ✓ 98% REAL TIME SHARING
- ✓ HIGH PV INPUT VOLTAGE RANGE (55~450 VDC)
- ✓ OVERLOAD & SHORT CIRCUIT PROTECTION
- ✓ MAXIMUM INPUT CURRENT 18A
- ✓ 1 BUTTON RESTORE SETTING OPTIONS IN PROGRAM (00)
- ✓ OPTIONAL WI-FI AVAILABLE FOR IOS/ANDROID DEVICES
- ✓ DESIGNED AND ENGINEERED IN TAIWAN



## OPTIONAL WIFI MONITORING

Monitor & configure your Device  
from anywhere

Use WiFi Function to remotely  
monitor the real-time running  
status of the product



AVAILABLE ON



MODEL	DIAMOND II - PV3000	DIAMOND II - PV4500
Rated Power	2200VA	3200VA
<b>AC INPUT</b>	230 VAC	
Voltage	170~280 VAC (For Personal Computer)	
Selectable Voltage Range	90~280VAC (For Home Appliances)	
Frequency Range	50 HZ / 60 HZ (Auto Sensing)	
<b>AC OUTPUT</b>	230 VAC + 5%	
AC Voltage Regulation	230 VAC + 5%	
Nominal Current Output	9.09A	14.54A
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10ms Typical(MS); 20ms Stapical( Appliances)	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	14 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
Maximum AC Charge Current	80A	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	3000W	4500W
MPPT Range @ Operating Voltage	55-430 VDC	
Maximum PV Array Open Circuit Voltage	430 VDC	
Maximum Charge Current	TRUE (MPPT) 80A	
Maximum PV Input Current	18A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Communication Interface	RS323/GPRS/Wi-Fi	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non~Condensing)	
Operating Temperature	0°C~55°C	
Storage Temperature	-15°C~60°C	

Note: Product specifications are subject to change without further notice

