

DIAMOND.II

S E R I E S

80A
TRUE MPPT

PV4500

DIAMOND SP-2200 1.8KW
MULTIPLE OPERATION MODES SUPPORT
24V / 48V



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 Wi-Fi MONITORING

Monitor & configure your device
from anywhere

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



AVAILABLE ON



MODEL	DIAMOND II - PV4500
Rated Power	1.8KW
AC INPUT	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)
AC OUTPUT	
AC Voltage Regulation	230 VAC + 5%
Nominal Current Output	14.54A
Efficiency (Peak) PV to INV	97%
Efficiency (Peak) Battery to INV	94%
Transfer Time	10ms Typical(MS); 20ms Stapical(Appliances)
BATTERY & AC CHARGER	
Battery Voltage	24 / 48 VDC
Floating Charge Voltage	27 / 54 VDC
Overcharge Protection	33 / 66 VDC
Maximum AC Charge Current	80A
SOLAR CHARGER	
Maximum PV Array Power	4500W
MPPT Range @ Operating Voltage	55-450 VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum Charge Current	TRUE (MPPT) 80A
Maximum PV Input Current	18A
Maximum Efficiency	98%
PHYSICAL	
Communication Interface	RS323/GPRS/Wi-Fi
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non~Condensing)
Operating Temperature	-10°C~50°C
Storage Temperature	-15°C~60°C

Note: Product specifications are subject to change without further notice

