

# **dldcompany's IPCK INVERTERS OFFER ADVANCED SOLAR PRIORITY FUNCTION WITH UNITY POWER FACTOR AND MPPT TECHNOLOGY. FOR USE IN OFF-GRID OR BATTERY BASED SOLAR PROJECTS.**

## **HIGHLIGHTS**

- ✓ Pure sine wave solar inverter
- ✓ MPPT Technology\*
- ✓ output power factor 1
- ✓ Selectable high power charging current
- ✓ Wide DC input range
- ✓ Selectable input voltage range for home appliances and personal computers
- ✓ Configurable AC/Solar input priority via LCD setting
- ✓ Compatible with mains voltage or generator power
- ✓ Auto restart while AC is recovering
- ✓ Overload and short circuit protection
- ✓ Smart battery charger design for optimized battery performance
- ✓ Cold start function



# TECHNICAL SPECIFICATIONS

| Models                                | IPCK-1-P                                                                 | IPCK-1-M  | IPCK-2-P       | IPCK-2-M  | IPCK-3-P        | IPCK-3-M  | IPCK-3+-M  | IPCK-5-P        | IPCK-5-M   |
|---------------------------------------|--------------------------------------------------------------------------|-----------|----------------|-----------|-----------------|-----------|------------|-----------------|------------|
| Rated Power                           | 1000VA / 1000W                                                           |           | 2000VA / 2000W |           | 3000VA / 3000W  |           |            | 5000VA / 5000W  |            |
| INPUT                                 |                                                                          |           |                |           |                 |           |            |                 |            |
| Voltage                               | 230 VAC                                                                  |           |                |           |                 |           |            |                 |            |
| Selectable Voltage Range              | 170-280 V AC (For Personal Computers); 90-280 V AC (For Home Appliances) |           |                |           |                 |           |            |                 |            |
| Frequency Range                       | 50 Hz / 60 Hz (Auto sensing)                                             |           |                |           |                 |           |            |                 |            |
| OUTPUT                                |                                                                          |           |                |           |                 |           |            |                 |            |
| AC Voltage Regulation (Batt. Mode)    | 230VAC ± 5%                                                              |           |                |           |                 |           |            |                 |            |
| Surge Power                           | 2000 VA                                                                  |           | 4000 VA        |           | 6000 VA         |           |            | 10000 VA        |            |
| Efficiency (Peak)                     | 90% - 93%                                                                |           |                |           |                 |           |            |                 |            |
| Transfer Time                         | 10 ms (For Personal Computers); 20ms (For Home Appliances)               |           |                |           |                 |           |            |                 |            |
| Waveform                              | Pure sine wave                                                           |           |                |           |                 |           |            |                 |            |
| BATTERY                               |                                                                          |           |                |           |                 |           |            |                 |            |
| Battery Voltage                       | 12VDC                                                                    |           | 24VDC          |           |                 |           |            | 48VDC           |            |
| Floating Charge Voltage               | 13.5VDC                                                                  |           | 27VDC          |           |                 |           |            | 54VDC           |            |
| Overcharge Protection                 | 16VDC                                                                    |           | 31VDC          |           | 33VDC           |           |            | 63 VDC          |            |
| SOLAR CHARGER & AC CHARGER            |                                                                          |           |                |           |                 |           |            |                 |            |
| Solar Charger type                    | PWM                                                                      | MPPT      | PWM            | MPPT      | PWM             | MPPT      |            | PWM             | MPPT       |
| Maximum PV Array Open Circuit Voltage | 55VDC                                                                    | 102VDC    | 80VDC          | 102VDC    | 80VDC           | 102VDC    | 145VDC     | 105VDC          | 145VDC     |
| Maximum PV Array Power                | 600 W                                                                    | 500 W     | 1200 W         | 1000 W    | 1200 W          | 1000 W    | 1500 W     | 2400 W          | 3000 W     |
| MPP Range @ Operating Voltage         | N/A                                                                      | 17-80 VDC | N/A            | 30-80 VDC | N/A             | 30-80 VDC | 30-115 VDC | N/A             | 60-115 VDC |
| Maximum Solar Charge Current          | 50 A                                                                     | 40 A      | 50 A           | 40 A      | 50 A            | 40 A      | 60 A       | 50 A            | 60 A       |
| Maximum Ac Charge Current             | 20 A                                                                     | 20 A      | 20 A           | 25 A      | 25 A            | 25 A      | 60 A       | 60 A            | 60 A       |
| Maximum Charge Current                | 50 A                                                                     | 60 A      | 50 A           | 60 A      | 70 A            | 60 A      | 120 A      | 110 A           | 120 A      |
| PHYSICAL                              |                                                                          |           |                |           |                 |           |            |                 |            |
| Dimension D x W x H (mm)              | 88 x 255 x 320                                                           |           |                |           | 100 x 285 x 334 |           |            | 100 x 300 x 440 |            |
| Net Weight (kgs)                      | 5.0                                                                      | 5.1       | 5.5            | 5.5       | 6.3             | 6.5       | 9.5        | 8.5             | 9.7        |
| Communication Interface               | USB / RS232                                                              |           |                |           |                 |           |            |                 |            |
| ENVIRONMENT                           |                                                                          |           |                |           |                 |           |            |                 |            |
| Humidity                              | 5% to 95% Relative Humidity (Non-Condensing)                             |           |                |           |                 |           |            |                 |            |
| Operating Temperature                 | -10 °C to 50°C                                                           |           |                |           |                 |           |            |                 |            |
| Storage Temperature                   | -15 °C to 60°C                                                           |           |                |           |                 |           |            |                 |            |

\*On select models.

Specifications, product shape, look are subject to change without prior notice.



**CONTACT A dldcompany EXPERT TODAY :-**  
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