

Solar Pumping Inverters



Efficient

Support driving single-phase motor and three-phase 220V motor/three phase 380V .

One pump inverter can be connected with multiple pumps, support vector control.

Optional water level detection and diesel engine start/stop module.

Wider operation voltage range,multi PV strings configuration, save PV module cost.



Smart

Digital intelligent control can flexibly adjust and set the pump speed range.



Reliable

IP65 and fanless design, with convenient installation, maintenance free.

Soft start function, providing lightning protection, overvoltage, over current, overload protection function etc.



ACT witness Lab certified by TÜV SÜD



INVT Official Website

Specification

Model	BPD0K7 TN(AC)	BPD1K5 TN(AC)	BPD2K2 TN(AC)	BPD004 TNAC	BPD2K2 TRAC	BPD004 TRAC	BPD5K5 TRAC
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DC Input

Maximum input DC voltage (V)	450				800		
Starting voltage (V)	80	100			220		
Minimum working voltage (V)	60	80			180		
Recommended MPP voltage (V)	80-400	100-400			220-750		
Input channel	One MC4 connector	Two MC4 connectors			One MC4 connector	Two MC4 connectors	
Maximum input DC current (A)	9	12	12	20	9	20	20

Bypass AC input (model supporting mains input)

Input voltage (Vac)	220/230/240(1PH) (-15%~+10%)				380(3PH) (-15%) ~440(+10%)		
Input frequency (Hz)	47-63						
AC input terminal	1P2L (L,N,PE)				3P4L (R,S,T,PE)		

AC OUTPUT

Rated power (W)	750	1500	2200	4000	2200	4000	5500
Rated current (A)	5.1 (1PH) 4.2 (3PH)	10.2 (1PH) 7.5 (3PH)	14(1PH) 10(3PH)	25(1PH) 16(3PH)	5.5	9.5	14
Output voltage (Vac)	0-Input voltage						
Output wiring mode	1P2L: 1PH motor 1PH control 2P3L: 1PH motor 2PH control 3P3L: Connected to 3PH asynchronous motor				3P3L: Connected to 3PH asynchronous motor		
Output frequency (Hz)	1-400						

Control

Control mode	V/F						
Motor type	Asynchronous motor (1PH/3PH)				Asynchronous motor (3PH)		

Others

Dimensions (WxDxH) (mm)	255×300×137	280×300×137	410×360×160	337×360×160	460×360×160		
Net weight (kg)	6.4	7	13.5	10.8	14.4	14.5	
Package weight (kg)	8.5	9	16	13.5	17.25	18.85	
Protective degree	IP65						
Cooling	Natural cooling						
HMI	External LED keypad						

Communication terminal

External communication	RS485/3 digital input						
Communication interface	Multi-core waterproof connector						

Certification

Standards	CE; EMC meets the requirements of IEC61800-3 C3.						
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Operating environment

Environment temperature	-25-60°C (derating above 45°C)						
Altitude	3000 m (derating above 2000m)						



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