

BPD Solar Pump Inverter Drive Specifications

MODEL	BPD0K7TN	BPD1K5TN	BPD2K2TN
Input (DC)			
Max DC Voltage (V)	300	450	
Starting voltage (V)	80	100	
Minimum working voltage (V)	60	80	
MPPT Operating Voltage Range (V)	80~250	120~400	
Number of MPPT/String	Single :MC4		
Max. DC Current(A)	9	12	12
Bypass input (AC)			
Input voltage (VAC)	220/230/240(1PH) (-15%~+10%)		
Input frequency (Hz)	47~63		
Input connect method (AC)	1P2L		
Output(AC)			
Rated power(W)	750	1500	2200
Rated current(A)	5.1 (1PH)	10.2 (1PH)	14 (1PH)
	4.2(3PH)	7.5 (3PH)	10 (3PH)
Output voltage (Vac)	0~Input voltage		
Output connect method	1P2L/3P3L		
Output frequency (Hz)	1~400		
Performance			
Control mode	Motor control technology		
Type of motor	asynchronous machine		
Other Parameter			
Dimension (H x W x D mm)	280×300×130		
Weight (kg)	≤10.5		
Protection	IP65		
Cooling	Natural Cooling		
HMI	LED screen extend (not support LCD screen)		
Communication			
External Communication	RS485/Single Digital Input/Analog Input (0-10V)		
Certification			
Certification	CE ; IEC61800-3 C3		
Working environment			
Ambient temperature	(-25℃~60℃ More than 45 °C derating)		
Working altitude	3000m (more than 2000m derating)		
Design life	5 years (warranty 18 months)		

Recommended Solar Array Configuration			
250Wp (Open-circuit voltage 38V±3V)	4*1	8*1	11*1
300Wp (Open-circuit voltage 45V±3V)	3*1	6*1	9*1