

SPECIFICATIONS - SOLAR POWER CONDITIONING UNIT

MODEL	Bh PCU 010			Bhaskaran PCU 030		Bhaskaran PCU 060		Bhaskaran PCU 060	
RATING	3KW	5KW	10kw	20KW	30KW	40KW	50KW	60KW	90KW
Array Input	180V to 330V			300V to 550V DC		300V to 550V		300V to 660V	
Charger Controller Type	MPPT			MPPT		MPPT		MPPT	
Battery Voltage	180V DC			360V DC		360V DC		360V DC	
Battery Type	SMF / Lead Acid Wet Cell								
Max DC Charging Current	32A	44A	88A	70A	105A	92A	116A	139A	208A
Inverter Type	IGBT BASED PWM								
Output Power Capacity	3KW	5KW	10kw	20KW	30KW	40KW	50KW	60KW	90KW
Load Power Factor	0.8 to Unity			0.7 to Unity					
Nominal Output Voltage	230V AC, Single Phase			230V AC, Single Phase			415V AC 3Phase & N		
Regulation	+/- 2%								
Frequency	50 Hz (+/-0.5Hz) in stand alone mode								
Wave Form	True Sine Wave								
Total Harmonic Distortion	< 2% for 100% Linear Load < 5% for 100% Non Linear Load								
Overload Capacity	110% for 1 minute								
Duty	Continious								
Inverter Efficiency	upto 91% at Full Load & Nominal Input Voltage								
Operating Modes	Stand Alone / Hybrid								
Accoustic Noise Level	< 62 dBA @ 1 meter								
Service Temperature	0-40 degree centigrade								
Storage Temperature	- 10 to 55 degree centigrade								
Relative Humidity	upto 95% non condensing								
Altitude	< 1000 meter above sea level (without derating)								
Enclosure Protection	IP20								
Cooling	Forced Air								
Colour	Siemens Grey								
Cable Entry	Bottom (Rear Side)								
Dimensions (in Inches WxDxH)	10x24x23.5	10x24x23.5	13x26x28	16x32x32	16x32x32	19x52x50	19x52x50	23x67x53	23x67x53
Approx Weight in Kg	55	75	90	200	240	350	400	550	650