



Key Features



**ADVANCE DSP
TECHNOLOGY**
ADVANCED DSP TECHNOLOGY



**MAX PANEL
VOLTAGE RANGE:**
VOC 400-750 V



**BIG LCD
DISPLAY**



**NO BATTERY
REQUIREMENT**



At Smarten, we are revolutionizing clean energy with high-efficiency, intelligent solar technologies designed for global adoption.

Our flagship Battery-Less Solar Power Conditioning Units (PCU) directly convert solar energy into reliable 220V AC utility power without requiring costly batteries, eliminating up to one-third of traditional setup costs and recurring replacement fees.

Key Advantages:

- **Direct Solar Utility:** Converts solar energy instantly to power daily electrical loads.
- **Smart Hybrid Switching:** Automatically draws supplementary power from the grid during high-demand or low-sunlight periods with zero interruption.
- **Maximum ROI & Sustainability:** Cuts capital expenditure, eliminates battery maintenance, and reduces environmental waste.

Smarten delivers smarter, cost-effective, and eco-friendly power solutions engineered for a sustainable future.

TECHNICAL SPECIFICATIONS			
MODEL: KRANTI+	5KVA	8KVA	10KVA
Min. Solar Input Voltage	400V		
Max. Solar Input Voltage	750V		
Technology	Digital Processor Based High Efficiency Design		
Max. Load Wattage	4200 Watt*	6500 Watt*	8000 Watt*
Max.Output Current	20Amp. ± 3Amp.	30Amp. ± 3Amp.	37Amp. ± 3Amp.
Panel Install	5KW to 10KW	5KW to 20KW	5KW to 35KW
Output Voltage	220VAC±10%		
Low Solar Cut	300V		
PROTECTIONS			
Low Solar Voltage	Yes Provided, It will show on display		
High PV Voltage	Yes Provided, It will show on display		
Reverse PV Protection	Yes Provided, System will not ON		
DISPLAY PARAMETERS			
Display Type	LCD Display		
Display Parameters	Solar PV Voltage, Load%, Output Voltage, Solar Current, Overload, Short Circuit, Low Solar Please Reduce load		
ENVIRONMENT			
Operating Temperature	0°C to 40°C		
Storage Temperature	0°C to 50°C		
Operating Relative Humidity	90% Non-Condensing		
*The load depends on the connected panel and weather conditions. There may be load fluctuations during morning and evening hours due to low solar power.			
Note: If you want to run heavy load like (1.5 Ton AC, 2HP Water Pump) you need to connect > 8KW solar panel.			



SCAN TO CONNECT
WITH GLOBAL SALES



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