



# PREMIUM 1:1 SERIE



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**ON-LINE**  
**1-PHASE INPUT**  
**1-PHASE OUTPUT**



## Technical Features

- High efficiency (%94) with IGBT rectifier and inverter
- High-efficiency operation with Eco mode (%98)
- Active power factor correction (Pf 0.99)
- Active input current harmonic correction (Thdi <5%)
- Low output voltage Total Harmonic Distortion (THD <3%)
- Ability to increase battery life by 40% with intelligent charger
- Parallel operation capability
- Temperature compensated battery charging system
- Compatible operation with generators, external bypass feature (Optional)
- Easy synchronization with external sources
- Remote monitoring and management software, programmable dry contacts
- Output, bypass overload, and short circuit protections
- Maintenance convenience with manual bypass
- Compact size for space-saving coverage

Model	JCB PRM-6	JCB PRM-10
Output Active Power (watt)	5400 W	8000 W
<b>Input</b>		
Input Voltage	220-230-240V(Phase-Neutral)	
Input Voltage Range (VAC)	Min % -35 /Max % +25	
Input Voltage Range (VAC)	Min % -18 /Max % +18	
Frequency (Hz)	±%5	
Input Current Distortion Rate (THD)	(%50 load) < %5 ≥	
Power Factor	(Full load, with battery charging) 0,99	
<b>By-Pass</b>		
By-pass Voltage	220-230-240V (Phase-Neutral)	
Voltage Tolerance	±%10	
Frequency Tolerance (Hz)	±%10	
Transfer Time (ms)	<0.001	
<b>Output</b>		
Output Voltage (VAC) (Phase-Phase)	Selectable 220-230-240V (Phase-Neutral)	
Power Factor	0,9	
Efficiency	Up to 96%	
Output Waveform	True Sine Wave	
Frequency (Hz)	50 or 60 Hz (Auto Detection)	
Frequency Tolerance (in battery operation mode)	0.01%	
Voltage Regulation (Static)	±1%	
Output Voltage Variation with Unbalanced Loads	<%5	
Maximum Phase Angle Shift	<0.1*	
Crest Factor	3:1	
Overload Protection	%100-%125 60 sec / % 126-%149 10 sec	
Total Harmonic Distortion	Linear load <%3 Non-linear load <%5	
<b>Batteries and Protections</b>		
Battery Type	Maintenance-free dry type batteries	
Number of Batteries (Quantity)	16	16 (Optional 20)
Protections	Overload protection, Over-temperature, Input high voltage, Input-output overcurrent, Feedback protection Intelligent charging feature, Deep charge protection, Battery test (automatic, manual), Short circuit protection	
<b>Communication</b>		
Standard Interface	RS232, EPO, External cabinet temperature	
Option	Modbus-4 programmable relay contact-SNMP	
<b>Environmental Conditions</b>		
Operating Temperature Range (°C)	0-40°	
Battery Operating Temperature Range (°C)	C20-25°C (recommended for longer battery life)	
Maximum Operating Altitude without Derating	1000	
Relative Humidity Range	%20-95(non-condensing)	
Noise Level (dBA)	<55(1m)	
<b>Physical</b>		
Dimensions (HxWxD) mm	614x260x585	653x260x658
Weight without Batteries (kg)	46 kg Pallet	57 kg Pallet
Paint Standard	Ral 9005 Texture	





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