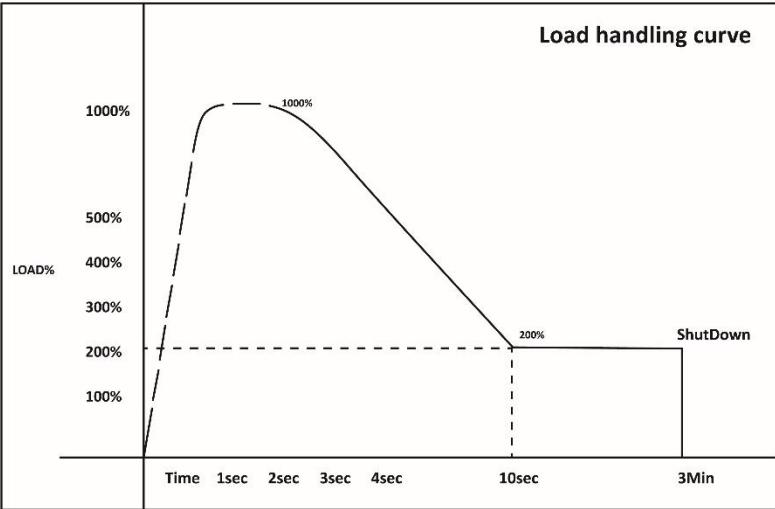


**CENTAURI ENERGY SERVER  
TECHNICAL DATA SHEET  
CENTAURI ENERGY SERVER**

Model		KWL 5000
Power		5kW
Module Voltage		192Vdc
Working Mode		PV Priority/ AC Priority optional
<b>PV</b>	Input Voltage Range	192-400Vdc
	Max. Charging Current	10-40A /60A (settable)
	PV Panels Configuration (Suggestion) (Vamp)	240-284Vdc
	PV Panels Configuration (Suggestion) (Imp)	≤60A
	PV Panels Configuration (Suggestion) (Pmax)	11520W
	Max. Efficiency	98%
<b>Display</b>	Panel Indicators	LCD+LED Panel display
<b>AC mode (settable)</b>	Input Voltage Range	165Vac- 275Vac
	Input Frequency Range	45-65Hz (transfer to battery mode beyond this range)
<b>Server output</b>	Output Voltage Range	220Vac± 5%
	Input Power Factor	≥0.8
	Max. Efficiency	88% (Server on)
	Max. Charging Current	12A
	Short Circuit Protection	Electronic limited current output or turn bypass, air breaker protection
	Output Voltage Range	220Vac± 5%
	Output Frequency	50 Hz / 60Hz ± 1% Frequency self –adjusted
	Output Power Factor	≥0.8
	Distortion	≤ 5% Linear load
	PV-AC Transfer Time	≤ 0ms
	Max. Efficiency	92%
	Overload	110% transfer to bypass, in 255s or shut down, 120% go to bypass or shut down in 60s, 150% go to bypass or shut down in 10s.
	Eco Mode (Optional)	When Load < 5%, system will turn to bypass power supply (utility) in 1min
	Short Circuit	Electronic limited current output turns the bypass or system to be automatic shutdown

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<b>Alarm</b>	AC Fails	4s once, noise reduction after 40s
	Battery Low Voltage	0.2S Once
	Overload	1 / 1S
<b>Communication (optional)</b>	Communication Interface	RS232 / USB /RS485/ SNMP
	Dry Contact	PV failure, battery low-voltage, overload, bypass, server failure/ remote start generator dry contact signal
<b>Load Handling Curve</b>	 <p><b>Load handling curve</b></p> <p>The graph plots Load% on the y-axis (0 to 1000%) against Time on the x-axis (0 to 3Min). The load rises to 1000% at 1 second, remains constant until 2 seconds, then gradually decreases to 200% at 10 seconds, and finally drops to 0% (ShutDown) at 3 minutes.</p>	
<b>Others</b>	Connection	Terminal blocks
	Surge Protection	Optional
	Magnetic Compatibility	According to EN62040-2:2006; EA61000-3-2:2006; EA61000-3-3:2008
	IP Class	IP20
	Temperature	0°C ~40°C
	Humidity	10% ~90% (non-condensing)
	Noise	≤ 50dB
<b>Mechanical Specifications</b>	Working Altitude	2000m (Every 100m increase derating 1%)
	Unpacked Size D*W*H (Mm)	560*265*725
	Packed Size D*W*H(Mm)	662*360*905
	Net Weight (Kg)	67
	Gross Weight (Kg)	76