

CENTAURI ENERGY SERVER



KEY ATTRIBUTES

- Handles torque loads allowing start-up of motors, compressors, and all forms of inductive loads with surge currents, without oversizing the system
- Accepts 5x - 6x renewable input without oversizing the system
- Plug-and-play connectivity to storage (does not require additional battery inverter for Sirius Energy Storage, Lead Acid or Li Ion)
- Handles renewable intermittency by switching seamlessly between renewable generation and storage
- Directly supplies the load from renewable generation during generation hours (does not route through the battery)
- Charges storage during generation hours (concurrently as it supplies the load)
- Plug-and-play connectivity to multiple DC or AC generation inputs
- Seamless switching between multiple input sources without destabilizing the load
- Energy blending capability for multiple input sources
- Actively corrects power factor losses to 1 on the circuit caused by inductive and capacitive loads
- Filters harmonics caused by the load
- Includes built-in safeties, data logging, monitoring, and control features
- Includes flexible protocols to communicate with and respond to signals from the grid
- Is configurable to work in islanded or non-islanded modes. In non-islanded mode, is bi-directional
- Auto genset start/stop/control when genset is connected
- Modular and scalable

CENTAURI ADVANTAGE OVER LEGACY SYSTEMS

FEATURE	CENTAURI	LEGACY SYSTEM
Torque Load Handling (handles surge currents enabling it to independently run all types of loads, inductive, resistive and capacitive)	1,000% for 2 sec	Not Available
System efficiency (generation to output)	96.7% - 99.1%	60% - 80%
PV connection	6x rated capacity	1.5x rated capacity
Battery inverter, flexibility in type of battery connectivity	Built-in (supercapacitor based/Lead Acid/Li Ion)	No-external
Power factor correction of load and harmonics filtering	Yes	No
Multiple source input (AC or DC)	Yes-plug-and-play	No
Blended energy output from multiple input sources (AC and/or DC)	Yes	No
Seamless switching between sources	Yes	No
Auto genset start/stop/control	Yes	No
Data logging, monitoring and control	Yes	No-external
Islanding/anti-islanding	Yes	No
Bi-directional option available	Yes	Yes
Built-in safeties	Yes	No
Modular	Yes	No
Plug-and-play (no external hardware or software required)	Yes	No