

Technical Data Portfolio

EXECUTIVE SUMMARY

A Permanent Solution to Grid Instability. "Proprietary solar thermal technology that generates electricity on demand, day or night." Elite leverages high-fidelity parabolic concentration and proprietary storage to provide consistent, decentralized power. Our systems eliminate intermittency and ensure 24/7/365 baseload reliability.

SYSTEM PARAMETERS

NOMINAL BASELOAD	5.0+ MW
DAILY ENERGY YIELD	120.0 MWh
SYSTEM FOOTPRINT	50'W x 200'L
OPERATIONAL HEIGHT	18' Max
UNIT ORIGIN	USA (NC/CO)
LIFECYCLE RATING	25+ Years

TECHNOLOGY LIFECYCLE

- 01 CAPTURE**
High-efficiency parabolic solar troughs concentrate thermal energy to a singular focal point.
- 02 STORE**
Proprietary PCM Reservoir preserves heat for immediate or delayed electricity generation.
- 03 CONVERT**
Thermal energy is converted to stable, conditioned baseload AC power for any power need.

STRATEGIC APPLICATION PROFILES

DC-01 Data Centers

Engineered for 24/7/365 uptime. Provides scalable demand support via 100% solar input. Uninterruptible behind-the-meter source.

- ✓ MULTI-SUBSTATION MATRIX
- ✓ ZERO GRID INTERRUPTION

US-02 Utility Dispatch

Dispatches high-load energy during 4PM-8PM peaks when PV/Wind assets drop off. Standalone dispatch protocol.

- ✓ FAST DEMAND RESPONSE
- ✓ HIGH VOLTAGE CONNECT

C1-03 Commercial BTM

Unlocks stalled commercial sites with utility caps. PPA models allow inclusive lease rates and increased NOI.

- ✓ PPA REVENUE READY
- ✓ INCREMENTAL SCALING

OPERATIONAL ROADMAP

- 01. FEASIBILITY**
Site footprint & load profile analysis.
- 02. LOGISTICS**
USA Mfg window, Standard 4-6 month lead.
- 03. COMMISSIONING**
Commissioning onsite within 180 days.