

# Rondo Heat Battery

**LOW-COST, DISPATCHABLE HEAT  
FOR PROCESS LOADS — WITHOUT  
INFRASTRUCTURE OVERHAUL**

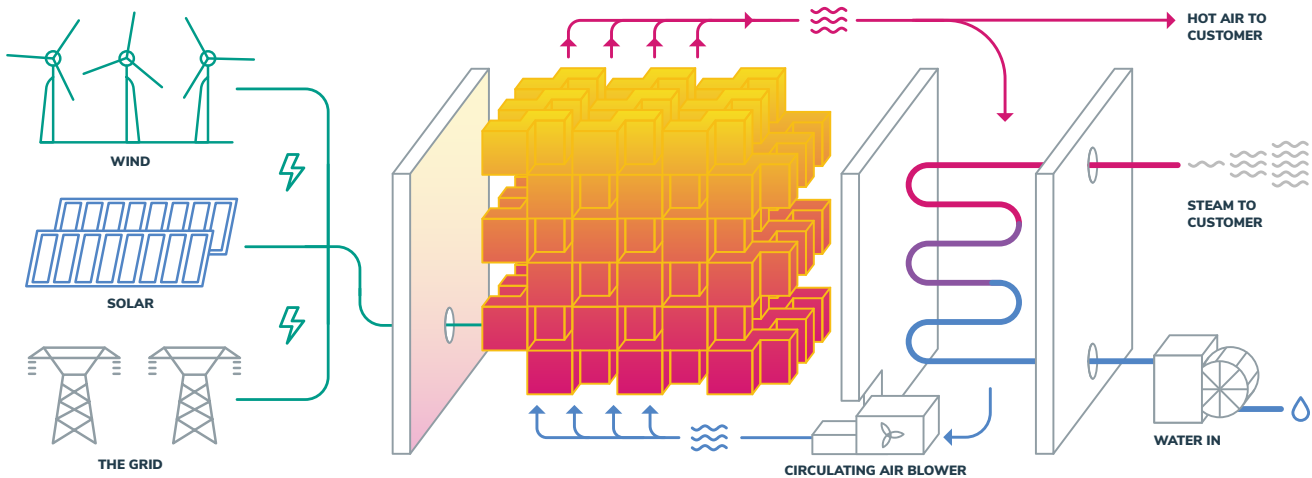


**Standard Electricity Input, Modular Storage Capacity, Configurable Heat Output up to 1,100°C**

**VARIABLE ELECTRICITY INPUT**

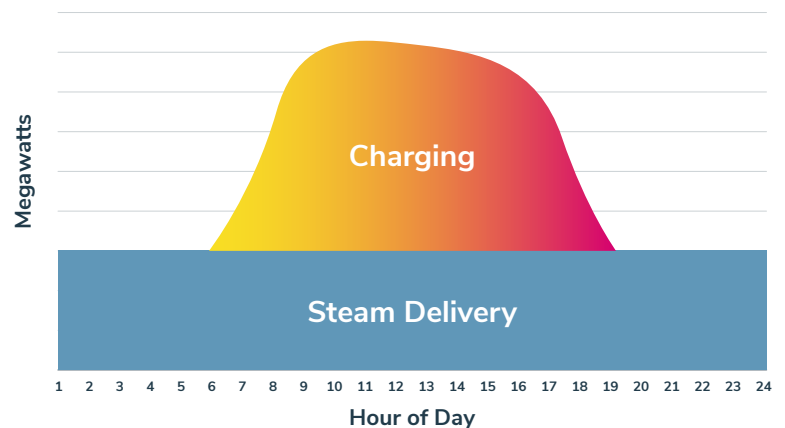
**HIGH TEMPERATURE HEAT STORAGE**

**CONTINUOUS, CONFIGURABLE HEAT OUTPUT**



Rondo Energy uses proven, durable materials to capture low-cost electricity in the form of heat. Rondo delivers stored heat on demand as hot water, steam or hot air, at temperatures from 80°C to 1,100°C. These modular, configurable heat batteries are ideal for use in a variety of applications, including power and process steam, direct process heating and combined heat and power generation. Whether deployed as a drop-in replacement for fossil-fueled heating equipment or as a resilient complement to existing systems, Rondo requires no disruptive changes to facilities or processes.

- Right-sized to meet facilities' unique heat capacity and temperature needs
- Least-cost technology for decarbonization and energy storage
- Low operating cost and long-term reliability: Durable materials enable a 40-year life span
- Enables continuous heat from intermittent renewables for lower operating costs and carbon emissions



**Low-cost, dispatchable heat, today.**

## RONDO HEAT BATTERY TECHNICAL SPECIFICATIONS

|                                 | RHB100                     | RHB300                     |
|---------------------------------|----------------------------|----------------------------|
| Typical Daily Output            | 168 MWh                    | 480 MWh                    |
| Depth of Discharge              | 100%                       | 100%                       |
| Typical Max. Discharge Rate     | 7 MWt                      | 20 MWt                     |
| Typical Energy Storage Capacity | 100 MWh                    | 300 MWh                    |
| Typical Peak Charge Rate        | 20 MW (AC)                 | 70 MW (AC)                 |
| Number of Cycles                | Unlimited, 40 years        | Unlimited, 40 years        |
| Round Trip Efficiency           | 98%                        | 98%                        |
| Discharge Temperature Range     | 80 - 1100 C                | 80 - 1100 C                |
| Dimensions                      | 15 (l) x 12 (w) x 12 (h) m | 40 (l) x 15 (w) x 12 (h) m |

### Flexible Configurations and Applications with Existing Infrastructure

Rondo's high-temperature heat meets 90% of industrial process requirements, to address the world's toughest decarbonization challenges.

#### STEAM FOR PROCESSES OR POWER



Saturated or superheated, Rondo boilers can deliver dispatchable steam that matches existing infrastructure for drop-in installation.

#### PROCESS HEAT FOR DRYING, CALCINING, EVAPORATION, ETC.



Rondo can directly heat air, or a variety of other gas streams, to replace fossil fuels in direct- and indirect-fired processes.

#### 24/7 RENEWABLE COMBINED HEAT AND POWER



Integrating Rondo with a steam turbine converts intermittent renewables into a baseload electricity supply to eliminate grid energy and demand charges, enhance resiliency and satisfy heat loads – all while reducing Scope 1 and 2 carbon emissions.