



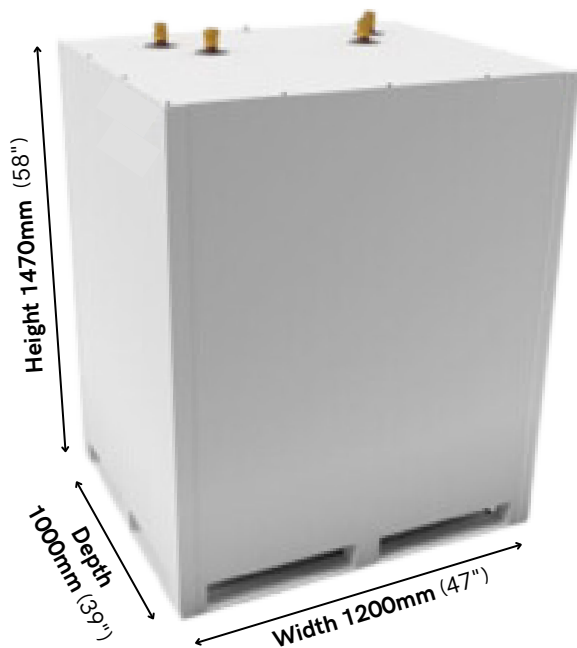
# Preliminary Product Notification

## Sunamp Central Bank<sup>®</sup> Mini (P58)

Thermal storage solution for decarbonising heating and hot water

Central Bank Mini (P58) is an advanced and compact thermal battery using Phase Change Material (PCM). Central Bank Mini (P58) contains our Plentigrade (P58) material and a powerful heat exchanger and is suitable for hot water production, heating, district heating applications and as sink source for hotter temperatures.

Central Bank Mini (P58) has two independent hydronic circuits, high power (HPC) and low power (LPC) which can be configured to suit the application.



### Charging source temperature

Maximum flow - inlet	80 °C (176 °F)
Minimum flow - inlet	65 °C (149 °F)
Typical return - outlet - when charged	65 °C (149 °F) <sup>1</sup>

### Discharging load temperature

Design flow - outlet	54 °C (129.2 °F)
Maximum inlet for discharging	50 °C (122 °C)

Nominal storage capacity<sup>2</sup> 80 kWh (273 kBtu)

Standby stored energy loss rate<sup>3</sup> 3.0 kWh/24h (10.2 kBtu/24h)

Weight 1,402 kg (3,091 lbs)

### Minimum flow rates

Low power circuit (LPC)	15 l/min (4 gal/min)
High power circuit (HPC)	21 l/min (5.5 gal/min)

### Maximum flow rates

Low power circuit (LPC)	40 l/min (10.6 gal/min) <sup>4</sup>
High power circuit (HPC)	50 l/min (13 gal/min)

Maximum working pressure (hydraulic circuit)

1.6 MPa (16 bar)

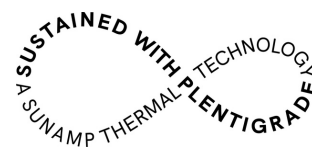
Typically during the charging period, the return temperature will be close to the phase change material temperature. Figures will differ according to application.

<sup>1</sup> You should achieve this temperature or lower to ensure that the latent storage capacity of the cold battery is fully used

<sup>2</sup> Reference conditions 40 - 65 °C (104 - 149 °F)

<sup>3</sup> Reference conditions 20 °C (68 °F)

<sup>4</sup> Calculated using US gallons.



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