

Applications	UniQ Heat	UniQ eHeat	UniQ rHeat	UniQ HW	UniQ eHW	UniQ rHW	UniQ Dual	UniQ eDual	UniQ dPV	UniQ ePV
Space heating load shifting to cheaper off-peak electricity tariffs e.g. with heat pumps and demand side management.	✓		✓							
Buffer vessels for heat pumps & mCHP heating systems	✓									
Reducing pre-heat time required in building i.e. rapid warming of heat emitters	✓	✓	✓				✓	✓		
Integration of multiple heat sources operating at different times and/or temperatures by use of multiple heat batteries	✓									
Supports direct solar thermal input	✓									
Space heating load shifting to cheaper off-peak; also known as the Time of Use (ToU) tariffs and demand side management.		✓								
Replacing inefficient night storage radiators with responsive hydronic heating system.		✓								
Integration of multiple heat sources operating at different times and/or temperatures, including one or more refrigerant circuits by using multiple UniQ rHeat units			✓							
Hot water heating load shifting to cheaper off-peak tariffs e.g. with heat pumps and demand side management.				✓		✓				
Integration of multiple heat sources operating at different times and/or temperatures.				✓						
Replacement for indirect hot water cylinders and hot water only thermal stores.				✓						
Supports direct solar thermal input				✓						
Hot water heating load shifting to cheaper off-peak tariffs and demand side management.					✓					
Replacement for direct hot water cylinders and electrically heated hot water only thermal stores.					✓					
Replacement for indirect heat pump hot water cylinders and hot water only thermal stores.						✓				
Space DHW heating load shifting to cheaper off-peak tariffs e.g. with heat pumps and demand side management.							✓	✓		
Integrated buffer vessels for heat pumps & mCHP heating systems							✓			
Integration of multiple heat sources operating at different times and/or temperatures.							✓			
Replacement for integrated thermal stores							✓			
Replacement for electric integrated thermal stores i.e. CPSUs (e.g. Gledhill ElectraMate, McDonald Engineering ElectraFlow, Elson, Heatrae Sadia, etc)								✓		
Converting nearly all the PV output to heat for DHW and/or space heating.									✓	
Converting PV output that is excess to household electricity consumption to heat for DHW and/or space heating.										✓
Availability Date	Q1 2018	Q2 2018	OEM Only*	Q1 2018	Q2 2018	OEM Only*	Q1 2018	Q2 2018	Q2 2018	Q2 2018

\*contact Sunamp

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Benefits	UniQ Heat	UniQ eHeat	UniQ rHeat	UniQ HW	UniQ eHW	UniQ rHW	UniQ Dual	UniQ eDual	UniQ dPV	UniQ ePV
Lower OPEX – aligns to off-peak tariffs, saves fuel	✓	✓	✓	✓	✓	✓	✓			
Operational needs – e.g. smaller space, buffering for heat pumps, gas boilers and CHP (avoids fast cycling and improves efficiency)	✓									
Customer satisfaction – Highly responsive heating system & rapid warming of radiators	✓	✓	✓				✓	✓		
Energy savings resulting from reduction in boiler cycling and increase in responsiveness of the system	✓									
Regulatory benefits – e.g. extra SAP points due to pre-heat	✓									
Operational needs e.g. smaller space		✓								
Alternative to Quantum night storage heaters		✓								
Regulatory benefits – e.g. extra SAP points due faster responding system and lower fuel costs.		✓								
Operational needs e.g. smaller space, heat source functionality			✓							
Energy savings and higher heat pump COP			✓							
No G3 compliance required i.e. no P&T (Pressure & Temperature) safety valve and no associated discharge pipework.				✓	✓	✓	✓	✓	✓	✓
No mandatory annual maintenance – less expense, admin				✓	✓	✓				
Low water content & instantaneous domestic hot water (DHW) heating – hence significantly reduced legionella risks.				✓	✓	✓	✓	✓	✓	✓
Operational needs e.g. smaller space, clean installation.				✓	✓	✓				
Energy savings – Lower heat losses				✓	✓		✓	✓		
Energy savings – Lower heat losses and higher COP						✓				
Operational needs e.g. smaller space, heat source functionality, clean installation.							✓	✓		
Quicker installation				✓	✓	✓	✓	✓	✓	✓
Competitor to Dimplex Quantum heating system								✓		
No G59 or G83, no MCS, no FIT registration, no DNO notification									✓	
Low cost, low voltage (48V) wiring with no inverter costs									✓	
Higher SAP rating, Lower heat losses									✓	
Increases PV self-consumption, compliant with FIT										✓
Lower heat losses, fuel bills and Feed-in Tariff income										✓
Availability Date	Q1 2018	Q2 2018	OEM Only*	Q1 2018	Q2 2018	OEM Only*	Q1 2018	Q2 2018	Q2 2018	Q2 2018

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