

Advantages	Challenges
Reducing Electricity Bills: <ul style="list-style-type: none"> • DUoS, TRIADS, Capacity Charges 	Lifetime of Battery Too Short: <ul style="list-style-type: none"> • Lifecycle nature still difficult to predict
Supply Levelling: <ul style="list-style-type: none"> • Maximising use of PV's and other Renewable Sources • Providing predictable energy profile for new building 	Cost of Battery High: <ul style="list-style-type: none"> • Installation, maintenance • Complexity in retrofitting
Emergency Power: <ul style="list-style-type: none"> • Supports crucial systems, in power cuts 	Change in Energy Regulation and Pricing <ul style="list-style-type: none"> • Shift in costs could significantly reduce the battery's
Increasing Sustainability: <ul style="list-style-type: none"> • Reducing usage during peak demand periods 	Legal and Commercial Barriers to Entry: <ul style="list-style-type: none"> • Energy companies penalise battery use
Financial Incentives: <ul style="list-style-type: none"> • Provide fast frequency supply to the grid 	Negative Environmental Effects: <ul style="list-style-type: none"> • Effects of mass Li-ion mining not understood
Security <ul style="list-style-type: none"> • Protection against cyber attacks 	Low Level of Technology Maturity: <ul style="list-style-type: none"> • Batteries have not been tested for the lifetime of the