

Advantages of GREEN GEM - Energy Intelligence For Lifts

| | Green Gem | | Regen | | Details |
|--------------|-----------|------|-------|------|--|
| | Pros | Cons | Pros | Cons | |
| RETROFIT | ✓ | | | ✓ | It is possible to install the Green Gem to any existing lift with a VF inverter without modification and regardless of size. |
| STANDBY | ✓ | | | ✓ | Green Gem is between 150% to 170% more efficient in regard to standby power, requiring only 3W. |
| SIMPLICITY | ✓ | | | ✓ | Green Gem is easily wired to the DC bus (plus EARTH). Regen options require extra special filters for feeding back to the mains. |
| REAL SAVINGS | ✓ | | | | With Green Gem fitted, the lift really does consume less energy. A lift fitted with a Regen drive system, the consumption is the same with or without it - possibly more, due to the higher standby power consumption. |
| EMC | ✓ | | | ✓ | Green Gem works in DC and reduces the consumption and the harmonics of the installation. With Regen the opposite can be said, as it increases harmonics in consumption and generation trips. |
| MAINTENANCE | ✓ | | ✓ | | Both Green Gem & Regen are low maintenance devices. |
| SAVINGS | ✓✓ | | ✓ | | Green Gem produces real savings due to the energy storage. When the lift consumes it takes energy from the grid and Green Gem which means the lift is taking less energy from the grid. With Regen it is only capable of taking energy from the grid with every travel. The Regen unit gives back the energy to the grid but this may not mean savings in all cases due to net metering concept. |
| NET METERING | ✓✓ | | | ✓ | Independent of the net metering policies per country, the Green Gem is always going to mean real savings |
| INSTALLATION | ✓ | | | ✓ | Green Gem can be installed in 30 minutes with any drive which cannot be said for traditional Regen solutions |
| SIZING | ✓ | | | ✓ | Green Gem must be sized in relation to the power generation and not the consumption. The Regen solution must be sized according to the consumption. For example a lift of 1300kg at 1m/s would generate 5kW but it would consume about 8kW. Therefore the size of the Green Gem would be 5kW as opposed to the Regen which would be 9kW, incurring a greater expense. |
| AVAILABILITY | ✓ | | | ✓ | As all Green Gem units are of the same size, they are stocked for next day UK delivery. Regen units have to be stocked in various sizes to suit the individual application. |