

# I E S



## E

We use energy storage all the time in our everyday lives. The batteries that power your phone, computer, and other electronic devices are small-scale forms of the battery energy storage systems connected to our electrical grid. The same technology that powers your personal devices is used today to provide back-up power to homes and businesses, limit power outages, make our electrical grid more reliable, and to enable our communities to run on clean, affordable energy.

## H

Just like charging your phone while you sleep, energy storage systems efficiently and conveniently capture electricity so that it can be used when it's most needed. Grid-connected energy storage does this through energy storage systems

containers, outdoor-rated cabinets, or purpose-built buildings. While customer-sited residential systems are generally installed on the exterior of homes and about the size of whole-home HVAC systems, grid-scale





# E S R L R C P E

Energy storage systems enable a more efficient and resilient electrical grid, which produces a variety of benefits for consumers, businesses, and communities. Deployment of energy storage: