



# EI Battery

## TSB-10/20-US Specification

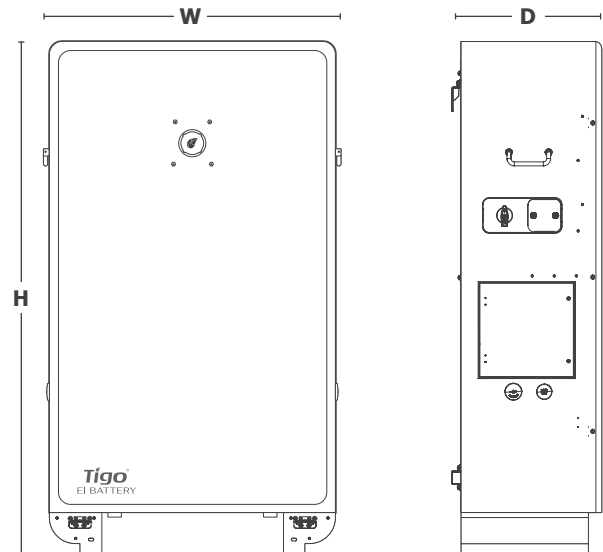
The Tigo EI Battery Storage provides energy resilience in the event of grid outage and optimizes energy consumption based on rate plans for today's home energy needs.

### Features

- High performance battery chemistry – LFP
- Support load shift, self consumption and backup applications
- 9.9 kWh per enclosure - usable capacity 9.0kWh
- Up to 39.6 kWh with 4 enclosures per inverter
- IP56/NEMA4 - outdoor and indoor rated
- Warranty: 132 months or 6,000 cycles
- Up to 10 kW continuous power
- Operating temperature 14-113°F

### Dimensions

	10kWh	20kWh
Dimensions (W x D x H)	650 x 320 x 1160mm (25.6 x 12.6 x 45.7in)	2pcs: 650 x 320 x 1160mm (25.6 x 12.6 x 45.7in)
Weight (with battery modules)	140kg (308.6lbs)	270kg (595.2lbs)



Standard  
Warranty



Powered by Tigo  
Energy Intelligence



Combine up to  
4 batteries

System Data	10	20
Number of battery modules in parallel	3	6
Battery Capacity	9.9kWh	19.8kWh
Max. charge/discharge power	5000W/5000W	10,000W/10,000W
Max. charge/discharge current	14.3A@360V	28.6A@360V
Battery Type	Lithium Iron Phosphate (LFP)	
Nominal Voltage	400V	
Operating voltage range	360V ~ 550V	
IP Protection	IP56/NEMA Type 4	
Installation	Floor and Wall installation	
Operating temperature	-10°C ~ +45°C (14°F ~ 113°F)	

### Systems Features

DC-DC RTE	94.4%
DoD	90%
Cycle life	> 6000 cycles
BMS monitoring parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication port	RS485/CAN
Warranty	132 Months

### Battery module data

Battery capacity	3.3kWh
Nominal voltage	51.2V
Operating voltage range	48V ~ 57.6V
Max. Charging/Discharging Current	0.5C/0.66C
Cycle Life	> 6000 cycles
Operation temperature	-10°C ~ +50°C (14°F ~ 122°F)
Dimensions without base (W x D x H)	445 x 131 x 399.6mm (17.52 x 5.16 x 15.73in)
Weight	30kg / 66.14lb

### Certifications

UL 1973, UL 9540, FCC part 15 class B



### Additional resources

