

BESS+Coach

Control+DR+EMS+VPP

Coach Turnkey Solution

CATL or Hithium Cells, UL 9540:2020, 2nd edition

MLhere
Coach

EMS+VPP

Network

Site
Controller



1004 kWh

125 kW

1004 kWh

250 kW

1004 kWh

375 kW

1004 kWh

500 kW

CATL or Hithium Cells, UL 9540 certified:2020, 2nd edition

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Network

Site
Controller



753 kWh

125 kW

753 kWh

250 kW

753 kWh

375 kW

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502 kWh

125 kW

502 kWh

250 kW

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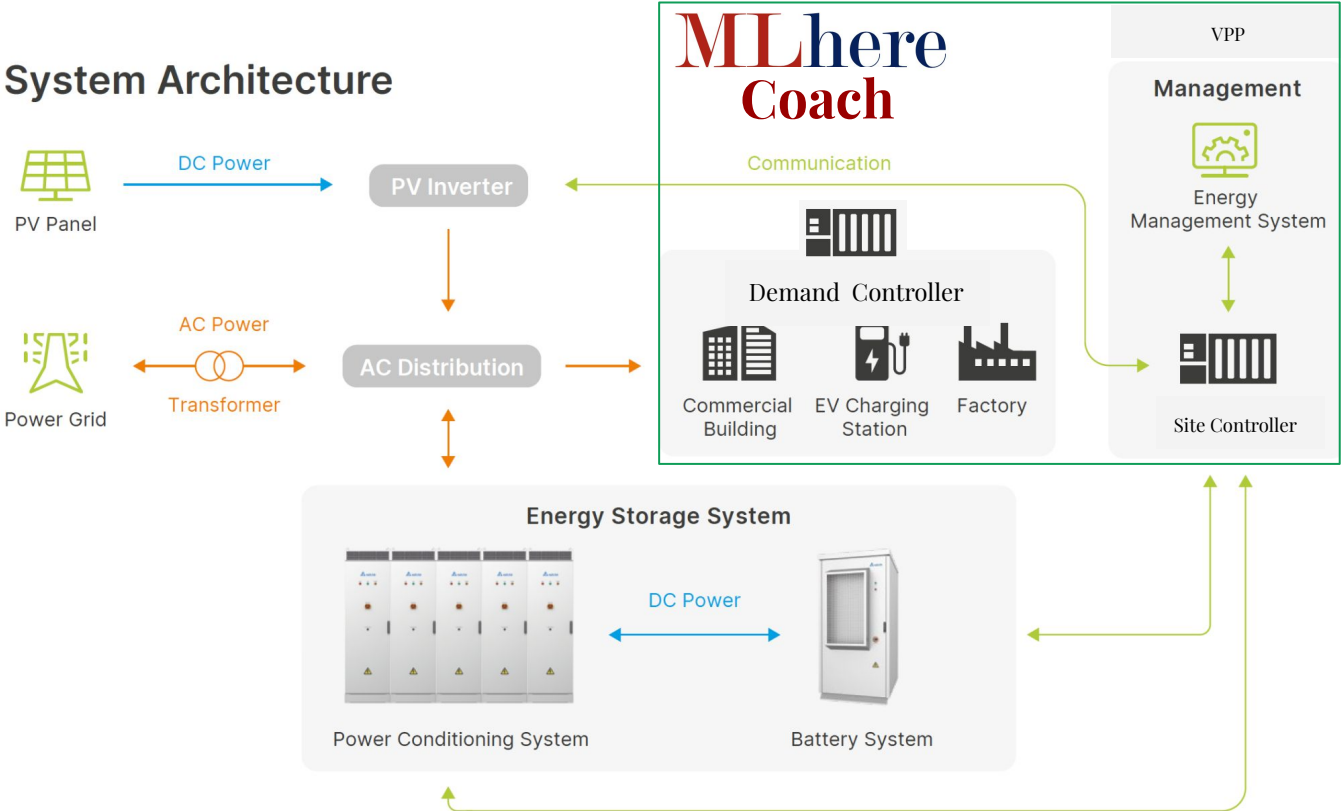


251 kWh

125 kW

MHere Coach: Intelligent Power Plant Controller

System Architecture



BESS Technical Specifications

Working Conditions

Degree of Protection	NEMA 3R / IP54
Noise Emission	≤72dB @1m
Operating Temperature Range	-22°F ~ 113°F / -30°C ~ 45°C
Relative Humidity	0~95% (No condensing)
Max. Working Altitude	6,500' / 2,000m



Rack level Lockable
Disconnect



Short Circuit Protection



Fire Detection and
Suppression



Water-based Suppression
System (Optional)



Intrusion Detect System



System Controller

BESS Technical Specifications

BATTERY INFORMATION	
Battery Chemistry	LFP
Cell Type	Prismatic 3.2V/280Ah
Configuration per rack	320S1P
Nameplate Capacity per rack	286.72KWh
Number of Modules per Rack	32
Rack Nominal Voltage	1,024V
Rack Voltage Range	896Vdc ~ 1,152Vdc
Depth of Discharge	96% (2% ~98%)
INVERTER INFORMATION	
Related output AC Power	125 KVA/KW per inverter
DC Voltage Range	750V~1,350V
Related Grid Voltage	480Vac
Grid Voltage Range	422 to 528Vac (-12%, +10%)
Related Grid Frequency	60Hz
Frequency Range	55Hz~65Hz
Power Factor	0.8~1
Adjustable Power Factor	-1~1, continuously adjustable
Isolation	Transformerless

BESS Technical Specifications

PROTECTIONS AND SAFETY DEVICES	
Short Circuit Protection	Yes
Lightning Protection	Yes
Over-charge / Over-discharge Protection	Yes
Over-temperature Protection	Yes
Fire Detection	Yes
Intrusion Detect System	Yes
External Accessible E-stop	Yes
System Controller	Yes
Uninterruptible Power Supply (UPS)	Yes
WORKING CONDITIONS	
Degree of Protection	IP54
Noise Emission	≤72dB @1m
Operating Temperature Range	-22°F ~ 113°F / -30°C ~ 45°C
Relative Humidity	0~95% (Noncondensing)
Max. Working Altitude	6,500' / 2,000m
Seismic Zone	Zone-4
Wind Load	120mph / 49.9m/s
Snow Load	40psf. /1.91×10 ⁻³ MPa

Pricing before ITC, SGIP and new incentives

251 kWh, 125 kW

\$175,000

\$700/kWh

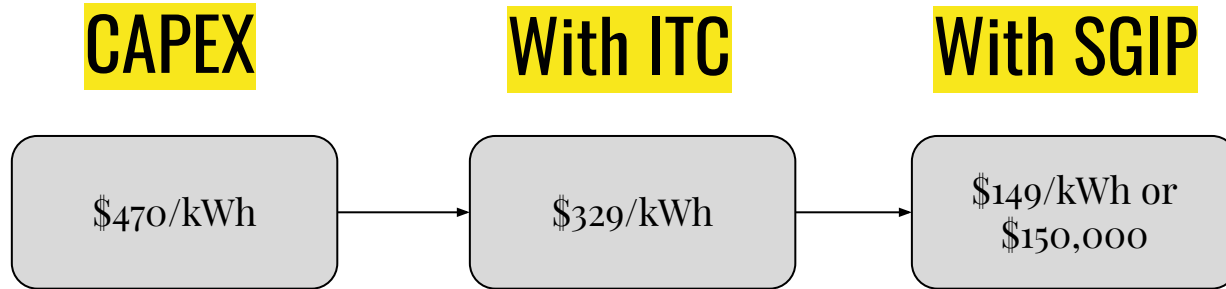
1004 kWh, 500 kW

\$480,000

\$470/kWh

These are the estimated pricing for 2024, Q2 delivery which includes BESS, PCS, Site Controller, EMS, Remote Operation (VPP). It includes 10 years Extended Warranty as well as Operation and Maintenance services according to the manufacturer's requirements. It does not include the civil and electrical work and installations. For more information reach out to MLhere team or email: contact@MLhere.io

Example pricing for California (1 MWh system)



Estimated Annual Saving (California): \$120,000

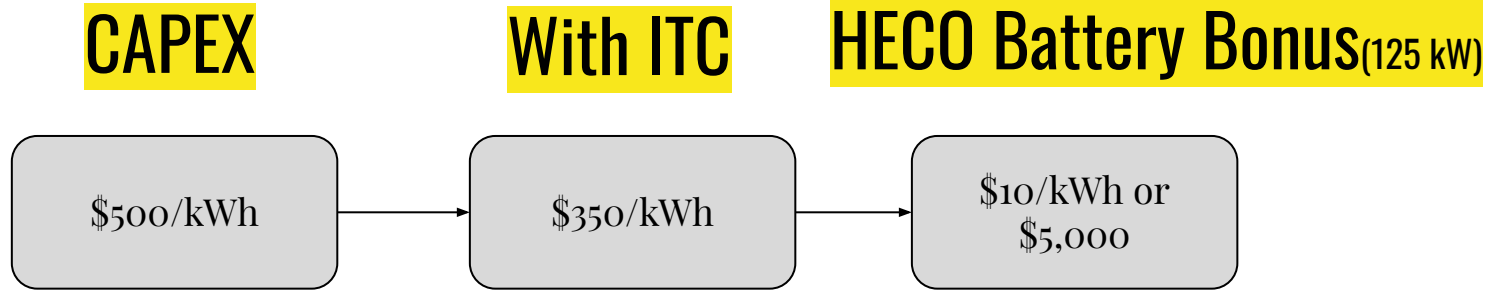
Peak shaving (4 hours, 200 kWh) : \$52,000

TOU (\$0.08/kWh savings) : \$26,000

Active Load Management (peak reduction) : \$14,000

Market services: \$18,000

Example pricing for Hawaii (502 kWh, 250 kW system)



Estimated Annual Saving (Maui): \$43,500

Heco Load shifting (2 hours, 125 kW) : \$7,500

PPA (\$0.08/kWh with on site solar shifting) : \$26,000

Demand charge (\$14/kW monthly, 125 kw reduction) : \$21,000

Technical Contact:
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