Power a Better Life 2024 Company Profile



01 PYTES GROUP

02 PYTES ESS

03 YOUR BENEFITS

04 GROW WITH PYTES









20 Years Industry Experience





Pytes

Since 2004

4GWh Annual Capacity



600,000 ft² Total Combined Manufacturing Space







PRODUCT LINE



Consumer Electronics





Residential Energy Storage

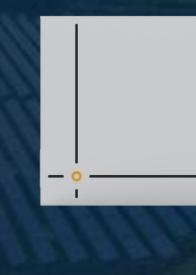


C & I Energy Storage













MAIN CUSTOMERS



Global ESS CUSTOMERS







Serving Clients In 60+ Countries Across 6 Continents

009









PYTES U.S. AND LATAM TEAM



Customer Centered
Continuous Improvement



Reliable and Supportive

02 PYTES ESS



PYTES Product Family

E-BOX Series

V Series

V10



E-BOX-48100R





E-BOX-48100R

Cell Type Nominal Capacity Nominal Voltage Scalability	LFP 100Ah(5.12kWh) 51.2 V Up to 96x (491.52kWh)
Continuous Charge/ Discharge Current	50A(2.56kW)
Peak Charge/ Discharge Current	102A(5.22kW@15s)
Certifications	UL 9540 Ed.2 (2020) (Sol-Ark, LUXpower, Megarevo, APS) UL 9540A, UL 1973, CEC, SGIP
Warranty	10 years @ 6000cycles @ 90%DOD
Ingress Protection	IP20
Dimensions(L*W*H)	17.32*24.41*4.61inch(2.6U) / 440 * 620 * 117mm(2.6U)
Weight	112.5lbs/51kg





E-BOX 48100R Enclosures





Mounting Ingress Rating Max. Battery Qty.

Dimensions (L*W*H) (inch/mm)

Weight(Ib/kg) Integrated

Stack -1 (Stackable up to 6) F. 3.1*1.6*6.4/ 78.5*40*161.5 B. 2.5*3.0*6.1 62.2*76*155

E BK1

4.85/2.2



Wall/Floor IP20 2

11.0*20.1*27.5/ 280*510*700

R-BOX

194/88



R-BOX-NEMA3

Wall/Floor NEMA 3 2

20.8*15.7*28.9/ 530*400.3*734.7

66.1/30

Busbar



R-BOX-OC

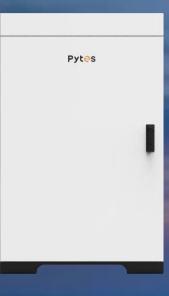
Floor IP55/NEMA 3 4

31.5*13.0*62.0/ 800*330*1575

176.4/80

Busbar & Breaker





Forest RB Plus

Floor IP20 6

28.3*15.7*45.3/ 720*400*1150

150/68

Busbar



V5°

Cell Type	LFP
Nominal Capacity	100Ah(5.12kWh)
Nominal Voltage	51.2 V
Scalability	Up to 96x (491.52kWh)
Continuous Input/ Output Current Peak Charge/ Discharge Current	75A(3.84 kW) 120A(6.14 kW@3min) 180A(9.22kW@15s)
Certifications Warranty	UL 9540 Ed.2 (2020) (Sol-Ark, LUXpower, Megarevo), UL 9540A, UL 1973, CEC, SGIP 10 years @ 6000cycles @ 90%DOD
Ingress Protection	IP20
Dimensions(L*W*H)	17.40*20.87*5.51(3.2U)/
(inch/mm)	424*530*140(3.2U)
Weight	97Ibs/44kg
Heating Pad	Temperature Rise 18°F/h / 10 °C/h
WiFi Connection	Remote Monitoring And Upgrade



• Remote Monitoring and Upgrading

• Higher Charge /Discharge Rate

• Higher Energy Density

• Greater Scalability

Wider Operation Temperature

V5° Enclosures



V5° Bracket

Mounting Ingress Rating Max. Battery Qty. Dimensions (L*W*H) (inch/mm) Weight(lb/kg) Integrated Stack -1 (Stackable up to 6) 7.0*2.4*2.0/ 50*177.8*62.2 4.85/2.2





V-BOX-NEMA 3

Floor/Wall NEMA 3 2

521.5*430.9*647.4 20.5*17.0*25.5

> 65.04/29.5 Busbar



V-BOX-IC se

Floor (movable) IP20 3

21.0*22.2*26.0/ 533*565*660

61.1/27.7

Pyt0s



V-BOX-IC

Floor (movable) IP20 3 21.0*24.1*25.2

21.0*24.1*25.2 533*616*650

93/42.2



V-BOX-OC

Floor IP55/NEMA 3 4

25.4*15.6*54.9/ 645*395*1395

194/88 Busbar & Breaker



V10

Cell Type Nominal Capacity Nominal Voltage	LFP 230Ah(11.78kWh) 51.2 V	1-
Continuous Input/ Output Current Peak Charge/ Discharge Current	115A(5.88kW) 300A@15S	-Bui -ESS -Inte
Certifications (Ongoing) Warranty	UL 9540 Ed.3 (2023) UL 9540A, UL 1973, CEC, SGIP 12 years @ 8000cycles @ 80%DOD	-5.8 -Wh
Ingress Protection Mounting Method Dimensions(L*W*H) (inch/mm) Weight	IP55 Wall / Ground (w/ Optional Battery Tray) 25.20x9.06x20.47inch/ 640x230x520mm 220.5lbs / 100kg	
Heating Pad	Temperature Rise 14.4°F/h / 8°C/h	



Enhanced Safety

uilt-in Aerosol Fire Suppression System S Emergency Shutdown Feature tegrated DC Breaker & Pre-Charge Circuit

High Power Output

88kW Continuous Output hole Home Backup Capable

Remote Monitoring and Upgrading

Higher Energy Density

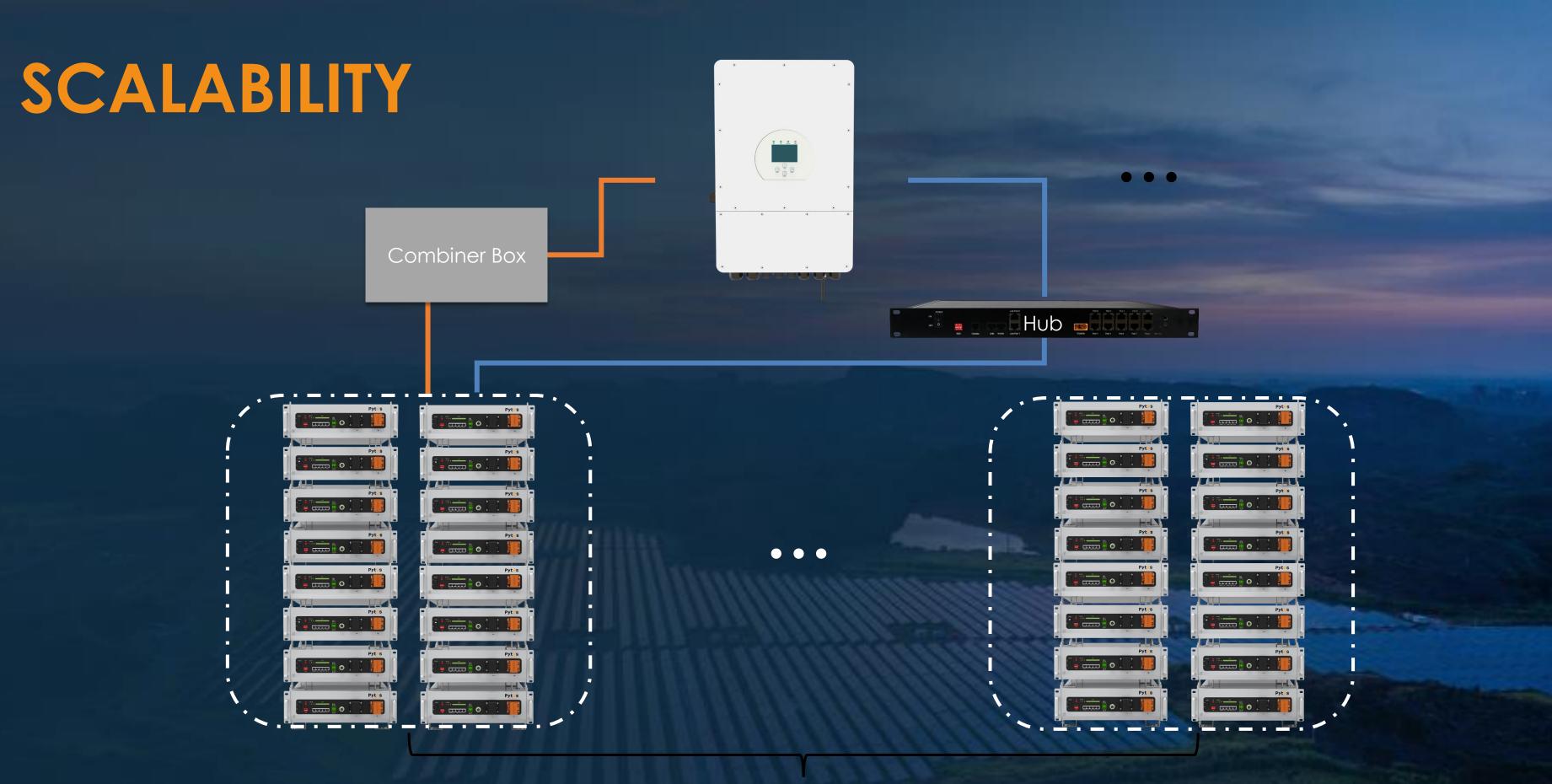
er 1 Automotive Grade A 230Ah Cells ghter Weight with Smaller Footprint

Outdoor-Ready

eatherproof Enclosure with Integrated Heating Pad ide Temperature Range for Cold Weather Applications

Easy to Install

-Wall Mounted -Effortless installation and Quick Commissioning



Up to 6 Groups (491.5kWh in total)

Note: 1 group with less than 16 pcs batteries don't need a hub

SMART MONITOR







APP

Real-time Monitoring

Data Visualization

Remote Upgrading

Error Detection

Alarm Notification

Pi LV1

Cell Type Nominal Capacity Nominal Voltage Scalability	LFP 100Ah(5.12kWh) 51.2 V Up to 24x (122.88kWh)
Continuous Input/ Output Current	50A(2.56kW, Up to 10.24 kW /group)
Certifications Warranty	UL 9540 Ed.3 (2023) UL 9540A, UL 1973, CEC, SGIP 10 years @ 6000cycles @ 90%DOD
Ingress Protection Dimensions(L*W*H) (inch/mm) Weight (lb/kg)	IP55 BMU:26.8*9.5*10.2/680.7*241.3*259.1 BCU&Base: 26.8*9.5*11.1/680.7*241.3*281.9 BMU: 125.7/57 BCU&Base: 34.1/15.5

• Safe

LFP Chemistry, Field-Proven BMS Included in Individual Module, integrated DC Breaker & Fuse

Plug-and-play (15-min Installation)

Quick Connectors, Easy to install

Outdoor Rated Enclosure

Water & Dust Proof for Both indoor and Outdoor

Scalable on Demand

Flexible Configuration from 5.12 to 30.72 kWh per Stack, Up to 4 Stacks

Powerful

Up to 10.24kW Continuous Output

Smart

Remote Upgrading & Monitoring

HV48100

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Cell Type System Energy System Voltage BMU Qty.(Optional)

Continuous Charge /Discharge current Depth of Discharge

Certifications

Warranty

Ingress Protection Dimensions (W*D*H) (inch/mm)

Weight (lb/kg)

LFP 25.6~76.8 kWh/group 200~870 V 5~15/group 50 A 80% UL 9540 Ed.3 (2023) (Sol-Ark, Solis), UL 9540A, UL 1973, CEC, SGIP 10 years @ 6000cycles@80%DOD IP20 BCU: 19.06*20.09*5.51/ 484*510*140 BMU: 19.06*20.87*5.51/ 484*530*140

Cabinet: 23.62*25.2*61.22/

600*640*1555

BMU: 94.8/43

BCU: 29.32/13.3

Cabinet: 197.5/89.6

Safety-Oriented

LFP Chemistry, Grade A Cells & Field-Proven Modular BMS Built-In

Powerful

High Power Output, Suitable for Applications that Require Quick Bursts of Energy

Scalable & Flexible

Increase Capacity on Demand, Ideal for Residential, Commercial & Industrial Use

Compatibility

Field integrated Solutions, Wide Voltage Range Compatible with Industry Leading Inverters

High Energy Efficiency

Increased Energy Density and Low Resistive Losses

Smart

Remote Upgrading & Monitoring

COMPATIBILITY































GROWATT



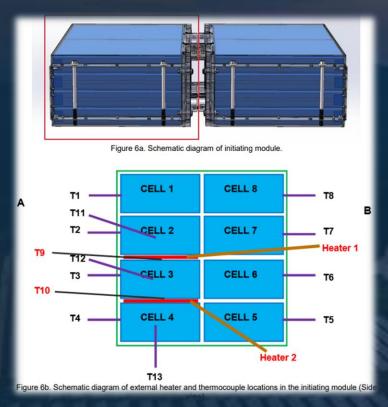
MORNINGS WORLD'S LEADING SOLAR CONTROLLE



UL 9540 SYSTEM

Certified to UL 9540 Ed.2(2020) or Ed.3(2023)*





Multiple Inverters with Full Battery Series

Satisfies Cell/Module/Unit Level Performance Criteria of UL 9540A

Note: UL 9540 Certification is the North American Safety Standard for Energy Storage Systems (ESS) and Equipment



UL 9540 Certified 🔍 Low Voltage Energy Storage System



Pytes Battery

Sol-Ark Inverter

LV E-BOX 48100R, V5°, Pi LV 1

5K-120V/8K-230V-1P, So1-Ark-5K-48-ST, So1-Ark-8K-48-ST, Sol-Ark-12K-P, Limitless 15K-LV



LUXPOWERTEK

Megarevo

LXP-LB-US 8K, LXP-LB-US 10K, LXP-LB-US 12K R5KLNA, R6KLNA, R7K6LNA, R8KLNA, R10KLNA

UL 9540 Certified 🕵 High Voltage Energy Storage System



Pytes Battery

Sol-Ark Inverter

HV48100

HV

30K-3P-208V-N, 60K-3P-480V-N

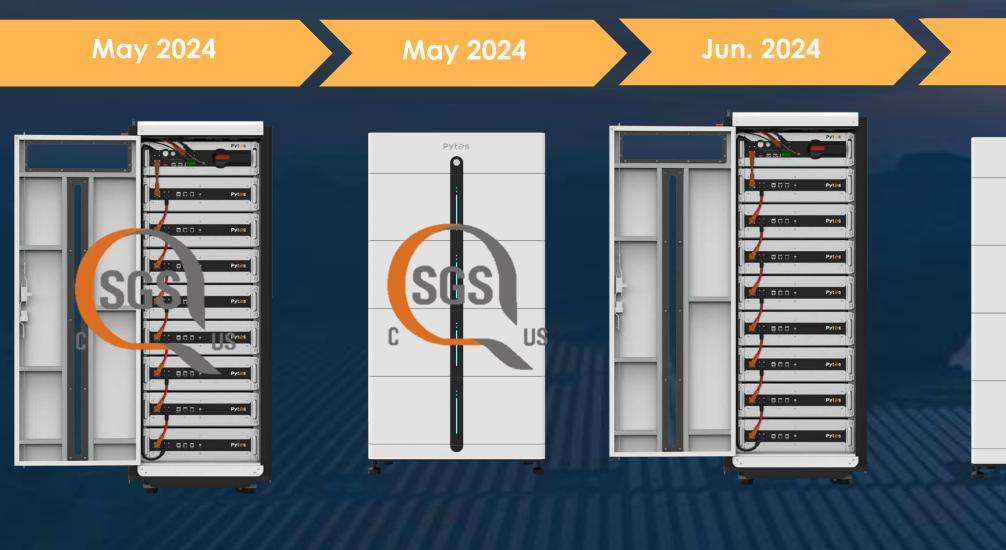




Solis Inverter

S6-EH1P3.8K-H-US, S6-EH1P5K-H-US, S6-EH1P7.6K-H-US, S6-EH1P10K-H-US, S6-EH1P11.4K-H-US





HV48100 Certifications Approved

Pi LV1 Certifications Approved

HV48100 Market Release

Jun. 2024

Pytes Ω

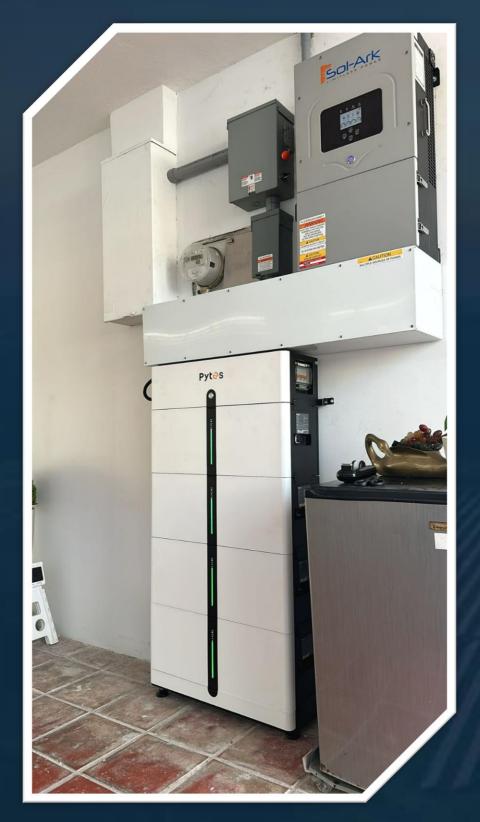
Oct. 2024

Pi LV1 Market Release

V10 Test Sample

-0

CUSTOMER CASES







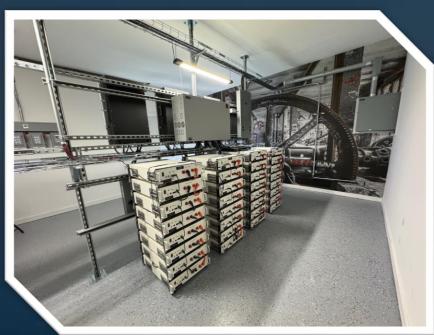


C EU

CUSTOMER CASES

Arizona

0















South Carolina



0

EU



YOUR BENEFITS Quality & Performance

Cost-Effective



Installer Friendly



×

Exceptional Services

QUALITY & PERFORMANCE

- Full Control of Supply Chain • Secure Key Material Supply
- Self-designed & Field-proven BMS
- Multi-protections

• Tier 1 EV LFP Grade A cells

• Long-lasting Cells • Prolonged Battery Life by Smart BMS

 Automatic Production Line • Strict Quality Control • 100% 48-hour Aging Test

• Less than 0.3% Failure Rate r L

QUALITY & PERFORMANCE Energy Storage Production Line Live Demonstration



Battery Pack Assembly (16 Cells, capacity: 103Ah)



Battery Pack Welding (Automatic Welding Machine)



Automatic Packaging (Automatic Packaging Machine)







Battery Pack Wiring & Inspectior

(Simple Wiring Design)

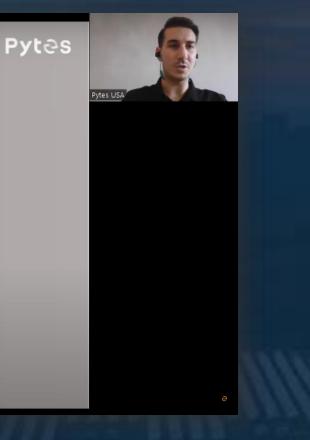


EXCEPTIONAL SERVICES-EDUCATION

Specifications



Pi LV1	
Chemistry	LFP
Nominal Energy Nominal Voltage	5.12 kWh 51.2 V
Scalability	6x BMU per group (~31 kWh)
	4x groups per system (~123 kWh)
Continuous Power	2.56 kW per module
	10.24 kW per group
Certifications	UL 9540 (end of May)
	UL 9540A (end of May)
	UL 1973, UN 38.3
Warranty	10 years @ 6000 cycles @ 90% DOD
Ingress Protection	IP55
Size	26.8*9.5*10.2 inch BMU
	26.8*9.5*11.1 inch BCU + Base
Weight	125.7 lbs BMU
	34.1 lbs BCU + Base

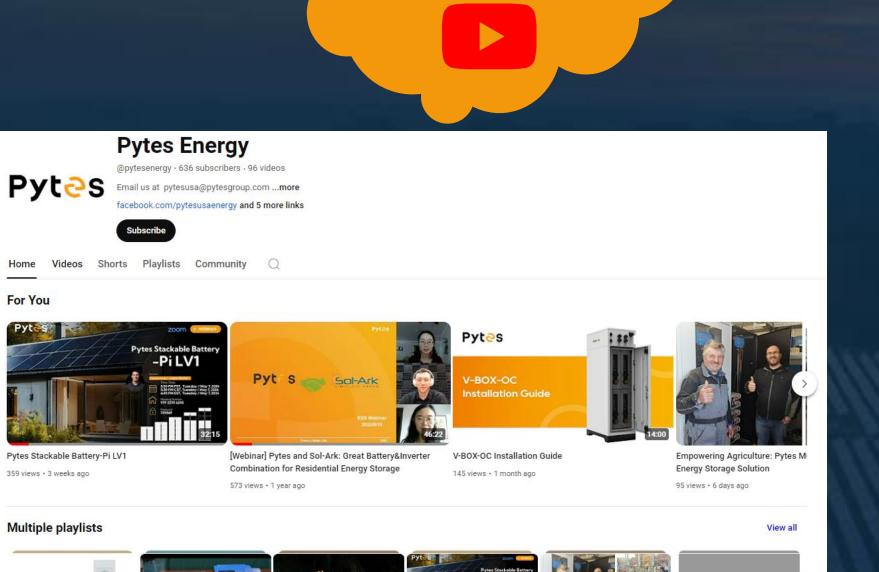






ON-SITE TRAININGS

EXCEPTIONAL SERVICES- DOCUMENT LIBRARY







View full playlist











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🗊 5 videos

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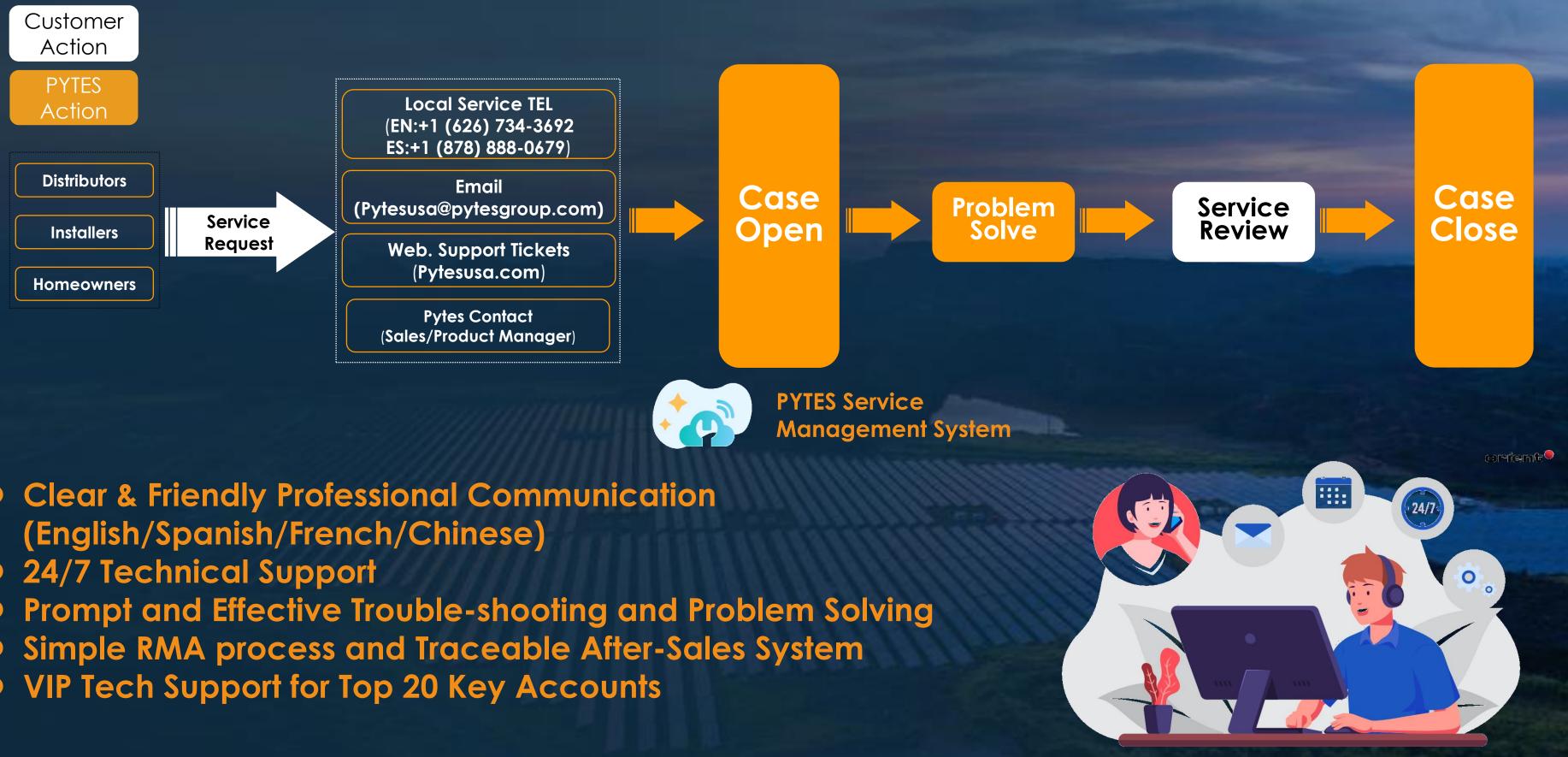
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List	Software & Application	Finnware Upgrade	User Manual	Brochure
1	Power Static Oct 30 2022 Download		Power Station Us Oct 30 2022 Download @	er Manual (Ecox 10)
Scott Ø)	Power Statis Oct 30 2022		V5*&V5*@User Oct 18 2022 Download @	

EXCEPTIONAL SERVICES- Pre & After Sales Support



- 24/7 Technical Support

EXCEPTIONAL SERVICES-ONE-WEEK DELIVERY



✓ Delivery within One Week

Regular Stock and Safety Stock Available









EXCEPTIONAL SERVICES-Co-Marketing

Online Marketing



Offline Marketing

Events/Shows Sponsorship

On-site Training

Marketing Materials



INSTALLER FRIENDLY

Installer Friendly

Modular Design, Quick & Flexible Installation

Remote Monitoring & Upgrading

• User-Friendly Monitoring Software

• Field Serviceable BMS



PYTES POWER PARTNERS

- Sales Leads
- Co-Marketing
- Tier One Tech Support
- Direct Webinar & Training
- Exclusive NABCEP Trainings, Earn NABCEP Credits
- Providing A Certified Badge





Certificate

Pyt₂s

This is to certify that JM Facility Services Corp.

has been appointed as an Authorized Installer in Purto Rico.

Issue Date: September 8th, 2023

POWER A BETTER LIFE PYTES (USA) Energy Inc. www.pytesusci.com



Echo Wang CEO

COST-EFFECTIVE

Exx4	Dxxr	Pytes
Capability & Strength	Capability & Strength	Capability & Strength 🞲
B2C Brand	BrandService	R&D Manufacturer Brand Service
MAP Price	MAP Price	MAP Price 😳
\$312/kWh(8.5%↓) (Server Rack Battery)	\$380/kWh(11%↑) (Server Rack Battery)	\$341/kWh (Server Rack Battery)
		\$380/kWh (Stackable Battery)
Quality	Quality	Quality
Unstable Communication Partially UL Certified	Unknown	Tier 1 Automotive CellsU< 0.3% Failure Rate
		# -0.1%



Direct from Factory, No Middleman, Better ROI, More Sales

The Most Cost-effective Battery with Full UL Certificates

Hxxd

14.65%

Capability & Strength

and Service

AAP Price

650/kWh(90%↑) erver Rack Battery)

525/kWh(38%↑) ackable Battery)

Quality

stable Communication

Fxxs

Capability & Strength

Brand Service

MAP Price \$480/kWh(40%) (Server Rack Battery)

Quality

White Labeling from Different Factories.



CASE SHARING



in





PYTES COMMUNITY

Benefits

Get Faster Tech Support Be the First to Know About New Products Attend Regular Webinars and Trainings Share User Experience Get Latest Industry News



SCAN

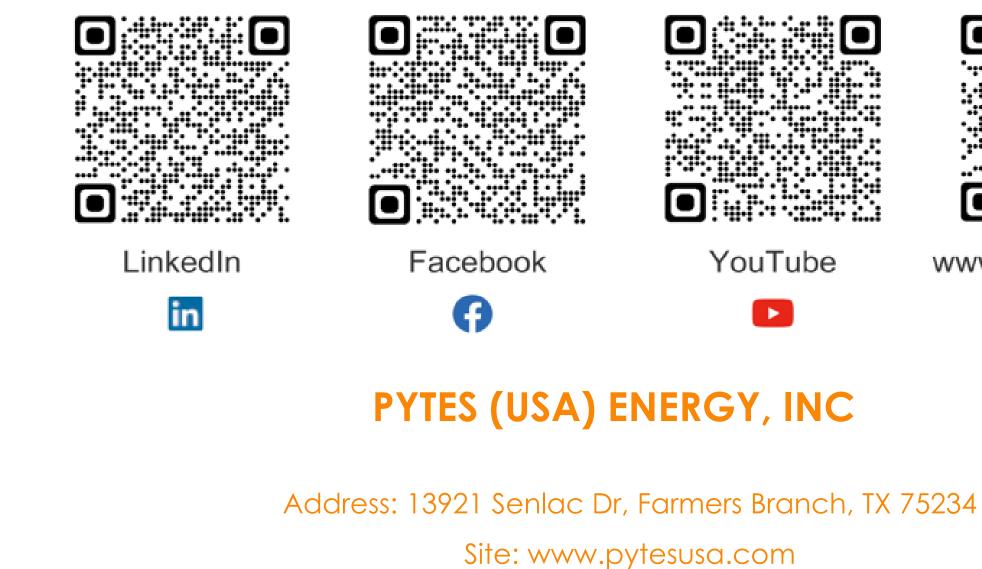
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MEET US



Troubleshooting-English

O Support & Resources



Email: pytesusa@pytesgroup.com



www.pytesusa.com

Pyt₂s