

Pytes

V5°α Plus



Features

- Remote Monitoring and Upgrading
- Higher Charge/Discharge Rate
- Wider Operation Temperature
- Higher Energy Density
- Greater scalability
- Tripple Safe Protections

Inverter Compatibility List

Main Inverter Partner



V5°α Plus Specifications



Electrical	
Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/Discharge Current	75A
Max Continuous Charge/Discharge Current	100A
Peak Charge/Discharge Current	101A~120A(3min) ; 121A~200A(15sec)
Integrated Breaker	DC 125V/125A

General	
Power Terminal	Amphenol Surlok Plus 8.0mm
Chemistry	LFP
Communication Protocol	CAN / RS485
Dimensions (L x W x H)	19.05 x 22.76 x 5.51 inch (3.2U) / 484 x 578.2 x 140 mm (3.2U)
Weight	100 lbs / 45.34 kg
Operating Temperature	Charge:32°F~131°F/10°C~55°C Discharge:-4°F~131°F/-20°C~55°C
Round-Trip Efficiency	≥ 95%
Cycle Life	≥ 6000 Cycles
Warranty	10 Years

Add-on Functionalities	
WIFI Connection	Remote monitoring and upgrade
Heating Pad	Temperature Rise: 18°F/h/10°C/ h
Scalability	Operation Temperature: -0.4°F~50°F/-18°C~10°C 16 pcs (81.92kWh) in a group 6 groups (491.52kWh) in a system w / a Hub

Certifications (On-going)
UL9540 Ed.2 (2020), UL9540A, UL1973, CEC, SGIP, CE, IEC62619, UN38.3

Pytes

PYTES (USA) ENERGY, INC
Address: 13921 Seneca Dr, Farmers Branch, TX 75234
Site: www.pytesusa.com
Email: pytesusa@pytesgroup.com



CONTRACTOR
ESSENTIAL SOLAR
ADDRESS: 2669 STATE HWY CC,
MARSHFIELD, MO 65706,
PHONE: 417-590-7543
CONTRACTOR #:



NEMERO RESIDENCE

RESIDENTIAL GRID INTERACTIVE SOLAR AND ENERGY STORAGE INSTALLATION
2071 NW O'BRIEN RD, LEE'S SUMMIT, MO 64081
APN: 62210120600000000

RESOURCE DOCUMENT

SYSTEM AC SIZE @ STC: 15.000 kW
(29) AIONRISE AION66G1-360
(1) SOL-ARK 15K-2P-N

SYSTEM DC SIZE @ STC: 10.440 kW

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REV:

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05.29.2025

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Features



Safe & Reliable



Scalable for demand



Easy Installation



Modular & Elegant Design



Remote Monitoring and Upgrading



Outdoor & Indoor Installation

V-Box-OC Specs

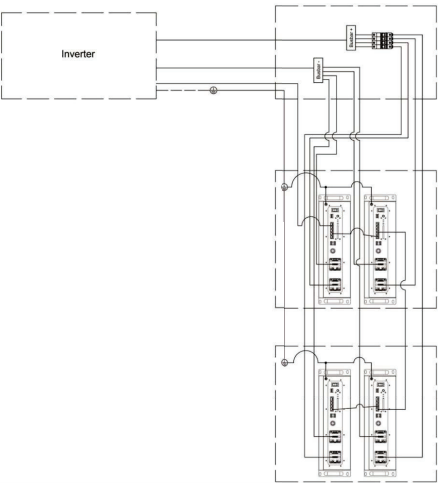
Mechanical

Load Capacity	4*V5°
Structure	Busbar & DC Circuit Breaker Integrated
Dimensions (L*W*H)	25.4*15.6*54.9 inch
Weight	194lbs
Mount	Floor Mount
Enclosure Rating	IP55
Enclosure Material	SGCC(Galvanized Steel)
Cooling	Natural Convection

3D image



Mechanical wiring



Installation Guide

Scan Me



Make
the Installation
Easier

Pytes

PYTES (USA) ENERGY, INC
Address: 920 S Holgate St, STE 106, Seattle, Washington, 98134 USA
Site: www.pytesusa.com
Email: pytesusa@pytesgroup.com



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