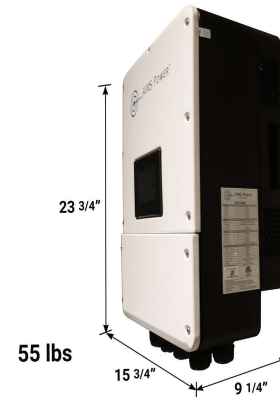


Hybrid Inverter Charger 4.6 kW Power Output 6.9 kW Solar Input UL1741 CSA 2202 IP65



Features:

Listed to UL 1741-SA I CSA 22.2 No.107-01 I UL1998 I UL1699B

- Stackable (Max 6)
- Direct 3 string PV input
- IP65 NEMA4X rated for outdoor installation
- 10 year warranty
- Customizable DC input voltage for various battery types including lithium and lead
- Free USA based tech support
- Wide programmable voltage input range
- Generator input for backup 240VAC
- Wide PV input voltage range
- Load sharing
- Isolated emergency backup output for defined loads
- Configurable charge and load times based on local utility recommendations
- Loaded with safety features
- Large 5-inch color LCD
- RS485, CAN, Wi-Fi, 4G
- Extremely efficient
- FCC Part 15 Class B

Specifications:

PV INPUT PIHY4600 4600 WATT (4.6kW)

Max Input Power (kW): 6.9

Max PV Voltage (V): 660

MPPT Range (V): 80-550

Normal Voltage: 360

Startup Voltage: 100

Max Input Current (A): 15.5 x 2

Max Short Current (A): 26 x 2

BATTERY PORT

Max Charge/Discharge

Power (kW): 6.9 / 6.9

Max Charge/Discharge

Current(A): 50

Battery Voltage (V): 230

Battery Voltage Range(V): 80 – 495

Battery Type: Lithium | Lead

AC GRID

Max Continuous Power(kVA): 4.6

Max Continuous Current(A): 19.5 / 22.5

Nominal Grid Voltage (V): 211 to 264 @ 240 | 183 to 229 @ 208 (not 3 phase, split phase)

Nominal Grid Frequency (Hz): 60

Output Power Factor : .99 adjustable

Current THD(%): <3

AC BACK-UP & GENERATOR

Max Continuous Power(kVA): 4.6

Max Continuous Current(A): 19.5 | 22.5

Max Peak Power(kVA)(10 min): 6.9 | 6.9

Nominal AC Voltage L-L(V): 240 | 208 (not 3 phase)

Nominal AC Voltage L-N(V): 120 | 120

Nominal AC Frequency(Hz): 60

Switching Time(ms): <10

Voltage THD(%): <3

EFFICIENCY

CEC Efficiency(%): 97

Max Efficiency(%): 97.6

PV to Battery Efficiency(%): 98.1

Battery to AC Efficiency(%): 96.8

PROTECTION

PV Reverse Polarity Protection: YES

Battery Reverse Polarity Protection: YES

Over Current/Voltage Protection: YES

Anti-Islanding Protection: YES

AC Short Circuit Protection: YES

Residual Current Detection: YES

Ground Fault Monitoring: YES

Insulation Resister Detection: YES

PV Arc Detection: YES

Rapid Shut Down/Disconnect: YES

Enclosure Protect Level: IP65 | NEMA4X

GENERAL DATA

Cooling: Natural Convection

Relative Humidity 0-100%

Operating Temperature Range: -25 to 60C | -77 to 140F

Operating Altitude: < 4000 m | <13123 ft without derating

Noise Emission (dB): <25

Stanby Consumption: (W) <10

Mounting: Wall Bracket

Communication with: RSD SUNSPEC

Display & Communication Interfaces: Full Color LED,RS485,CAN, Wi-Fi

Certification & Approvals: UL 1741 SA | CSA 2202 No. 107-01 UL 1998 | Rules21 | HECO Rule 14 | IP65 | CEC

EMC: FCC Part 15 Class B