



PVS-AT8k~12k-G2 Pro

Output Power:
8/10/12kW

Name:
Three-Phase Hybrid Inverter



Features

- ⊙ **Easy-to-install**
 - Quick & easy-to-install with basic tools.
 - Battery and smart meter interface.
 - Compact Wall-Mounted design.
- ⊙ **High reliability**
 - Supports 150% capacity ratio.
 - Supports 100% three-phase unbalanced AC output.
 - Real uninterruptible power supply, switching time < 10 ms.
 - IP66 rated design for outdoor use.
- ⊙ **User-friendly**
 - Quick setup and commissioning with PVSTAR Apps.
 - Support a variety of application scenarios and operating modes, including depth of discharge, time of use and power settings.
 - The maximum input current of 16A is perfectly suitable for high-power and bifacial modules such as 182.

Certifications



| Model | PVS-AT8k-G2 Pro | PVS-AT10k-G2 Pro | PVS-AT12k-G2 Pro |
|---|--|--|------------------|
| DC input | | | |
| Recommended Max. PV input power | 12000Wp | 15000Wp | 18000Wp |
| Max. PV input voltage | | 1100V | |
| MPPT voltage range/Rated input voltage | | 200V~950V/630V | |
| Min. input voltage/Start-up voltage | | 60V/180V | |
| No. of MPPTs/No. of PV strings per MPPT | | 3/1 | |
| Max. input current per MPPT | | 16A | |
| Max. short-circuit current per MPPT | | 24A | |
| Battery input | | | |
| Battery voltage range | | 120V~600V | |
| Max. charging/discharging power | 8000W | 10000W | 12000W |
| Max. charging/discharging current | | 30A | |
| Compatible Batter | | PVS-HB Series | |
| Battery type | | LiFePO4 | |
| AC output | | | |
| Voltage range/Rated AC voltage | | 270V~480V,3L/N/PE,220/380V;230/400V;240/415V | |
| Rated grid frequency | | 50Hz/60Hz | |
| Grid frequency range | | 45~55Hz/55~65Hz | |
| Rated apparent power | 8000VA | 10000VA | 12000VA |
| Max. apparent power | 8000VA | 10000VA | 12000VA |
| Rated grid output current(@400V) | 11.6A | 14.5A | 17.4A |
| Max. grid output current(@400V) | 12.8A | 16.0A | 19.2A |
| THDi(@Rated power) | | < 3% | |
| AC input | | | |
| Rated grid voltage | | 3L/N/PE,220/380V;230/400V;240/415V | |
| Rated grid frequency | | 50Hz/60Hz | |
| Max. AC input power | 16000W | 20000W | 24000W |
| Max. AC input current | 23.2A | 29.0A | 34.8A |
| AC output(EPS) | | | |
| Rated output voltage | | 3L/N/PE,220/380V;230/400V;240/415V | |
| Rated output frequency | | 50Hz/60Hz | |
| Rated apparent power | 8000VA | 10000VA | 12000VA |
| Peak output apparent power, time(off grid) | | 2 times the rated power,10S | |
| Rated current(@400V) | 11.6A | 14.5A | 17.4A |
| Switching time | | < 10ms | |
| THDv(@ Line power) | | 2% | |
| Efficiency | | | |
| MPPT efficiency | | 99.9% | |
| European efficiency/Max. efficiency | 97.2%/98.0% | 97.9%/98.4% | 97.9%/98.4% |
| Protection | | | |
| Surge protection(Type II, according to EN/IEC 61643-11) | | ● | |
| Insulation resistance detection | | ● | |
| PV input reverse polarity protection | | ● | |
| Battery input reverse polarity protection | | ● | |
| Ground fault monitoring | | ● | |
| Residual current detection | | ● | |
| AC short circuit protection | | ● | |
| Anti-islanding Protection | | ● | |
| General data | | | |
| Power factor/Adjustable range | | 1 default(adjustable+/-0.8) | |
| Dimensions(W/H/D) | | 545mm/465mm/205mm | |
| Weight | | 26.0kg | |
| Operating temperature range | | -25°C~+60°C | |
| Cooling mode | | Natural | |
| Degree of protection(According to IEC 60529) | | IP66 | |
| Max. permissible value for relative humidity | | 100% | |
| Max. operating altitude | | 4000m | |
| Features | | | |
| User interface | | LED&APP | |
| Communication with BMS | | CAN | |
| Communication with smart meter | | RS485 | |
| Cloud platform monitoring mode | | Dongle:WiFi(2.4 GHz)/ LAN(100 Mbps) | |
| Dry contact output/quantity | | ●/2 | |
| Dry contact input/quantity | | ●/4 | |
| Integrated power control/Zero export control | | ●/● | |
| Certifications | IEC 62109-1/-2, IEC 61000-X ¹ , EN 50549-1, VDE-AR-N 4105, CEI 0-21, PL EN50549-1+RfG, NA/EEA-NE7-CH 2022, VFR 2019 & VDE 0126-1-1, IEC 61727, IEC 62116, IEC 61683 | | |

● Standard/○ Matching/-Not Available

*All specifications are subject to change without notice.
*For more info:Please contact us by Email or our Website.

¹"X"stands for 2-2, 3-2, 3-3, 3-11, 3-12, 6-1, 6-2, 6-3, 6-4