SILA VP MH PLUS Hybrid Inverter

Axpert VM II Premium+ 1.5K/
Axpert VM II Premium+ 3K

Axpert VM II Premium+ 4.2K/
Axpert VM II Premium+ 6.2K

- Wide PV input range, starts from 30VDC for 1.5K/3K/4.2K models
- Built-in communication port for BMS
- Built-in feed-in grid function
- Dual AC outputs only for 4.2K/6.2K models
- Maximum charging current 100A/120A based on models
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

SILA VP MH Plus Hybrid Inverter Selection Guide

MODEL	SILA VP 1500MH Plus	SILA VP 3000MH Plus	SILA VP 4200MH Plus	SILA VP 6200MH Plus
Rated Power	1500VA/1500W	3000VA/3000W	4200VA/4200W	6200VA/6200W
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Output Power	1500W with PV & battery 1200W with battery only	3000W with PV & battery 2500W with battery only	4200W with PV & battery 4000W with battery only	6200W with PV & battery 5000W with battery only
AC Output No.	Single	Single	Dual Outputs	Dual Outputs
Surge Power	3000VA	6000VA	8400VA	12400VA
Efficiency (Peak)	93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	12 VDC	24 VDC		48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC
Overcharge Protection	16 VDC	32 VDC		63 VDC
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC		500 VDC
Maximum PV Array Power	2000W	3000W	5000W	6500W
Maximum PV Input Current	13 A	13 A	18 A	18 A
MPP Range @ Operating Voltage	30 ~ 300 VDC (30 ~ 60VDC with battery connected)	30 ~ 400 VDC (30 ~ 60VDC with battery connected)	30 ~ 450 VDC (30 ~ 60VDC with battery connected)	90~450 VDC (Min. 100VDC without battery connected)
Maximum Solar Charge Current	100 A	100 A	120 A	100 A
Maximum AC Charge Current	80A	80A	100A	100A
Maximum Charge Current	100A	100A	120A	100A
PHYSICAL				
Dimension, D x W x H (mm)	90 x 288 x 357		115 x 300 x 435	
Net Weight (kgs)	6.5	7.0	9	10.4
Communication Interface	RS232/RS485(BMS)/WiFi			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			