

TRIEX. Series

MPPT SOLAR INVERTER

Hybrid Inverter



InfiniSolar V IV 6kW, PV7000

- Maximum PV input current 27A
- Dual outputs for smart load management
- Touchable button with 4.3" colored LCD
- Built-in WiFi for mobile monitoring (APP is available)
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Reserved communication port for BMS
- Parallel operation up to 9 units

HYBRID INVERTER

InfiniSolar V IV 6kW, PV7000 Hybrid Inverter with Energy Storage Specification

MODEL		Apkert VM IV 6kW
PHASE		1-phase in / 1-phase out
MAXIMUM PV INPUT POWER		7000W
RATED OUTPUT POWER		6000W
MAXIMUM CHARGING POWER		8000W
GRID- TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage		360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage		120VDC / 150VDC
MPP Voltage Range		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current		1 / 27A
GRID OUTPUT (AC)		
Nominal Output Voltage		220/230/240 VAC
Output Voltage Range		184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current		26A
Power Factor		> 0.99
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)		96%
OFF- GRID OPERATION		
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range		90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current		40A
PV INPUT (DC)		
Maximum DC Voltage		500 VDC
MPP Voltage Range		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current		1/27 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage		220/230/240 VAC
Output Waveform		Pure sinewave
Efficiency (DC to AC)		93%
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage		360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage		120VDC / 150VDC
MPP Voltage Range		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current		1 / 27A
GRID OUTPUT (AC)		
Nominal Output Voltage		220/230/240 VAC
Output Voltage Range		184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current		26A
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range		90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current		40A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage		220/230/240 VAC
Efficiency (DC to AC)		93%
BATTERY & CHARGER		
Nominal DC Voltage		48 VDC
Maximum Solar Charging Current		120A
Maximum AC Charging Current		120A
Maximum Charging Current		120A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)		140 x 235 x 468
Net Weight (kgs)		12
INTERFACE		
Parallel Function		Yes, 9 units
Communication Port		USB/RS232/RS485/Wifi/Dry-contact
ENVIRONMENT		
Humidity		0~90% RH (Non-condensing)
Operating Temperature		-10 to 50°C

Product specifications are subject to change without further notice.