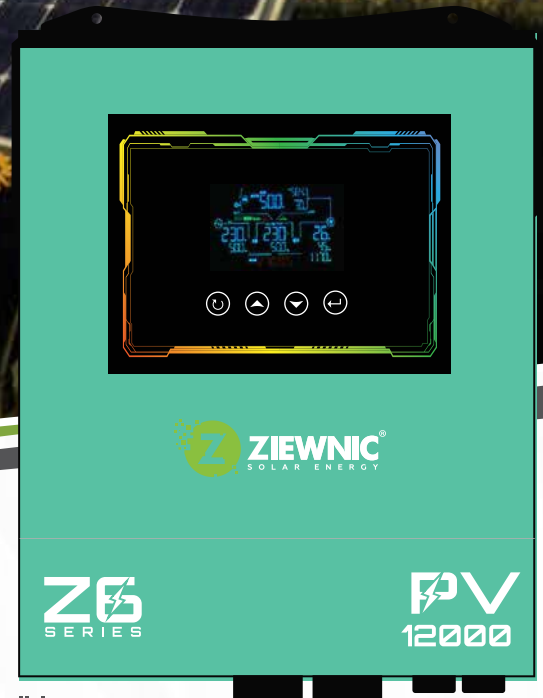


Z6 SERIES

12000W
BUILT-IN DUAL MPPT

9 KVA

**Z6 EUROPEAN - PV 12000
ON GRID WITH ENERGY STORAGE HYBRID**



KEY SALIENT FEATURES

- ✓ Introducing 1st time in Pakistan, single phase Inverters support three phase when installed in parallel
- ✓ 100% Pure Sine wave Inverter
- ✓ Battery Equalization/Compatible with Li-ion, LifePo4 and etc)
- ✓ Conformal Coating to Prevent from Dust and Humidity
- ✓ Built-in two 12000W MPPTs, with wide input range: 90-450VDC
- ✓ Reserved communication ports (RS232, RS485, CAN)
- ✓ Energy generated record, load record history information and fault record
- ✓ Upgraded 6th generation smart and intelligent solar inverter
- ✓ Touch screen control module with various communications
- ✓ PV and utility power the load at the same time can be set
- ✓ Efficiently Work with & without battery
- ✓ Optional Wi-Fi interface with Android & IOS
- ✓ Overload and Short Circuit Protection
- ✓ Output power factor PF-1.0
- ✓ Easy Replacement of fans
- ✓ Support Peak-Valley Charge
- ✓ Parallel operation up to 6 units
- ✓ Zero transfer time
- ✓ 100% reverse grid feeding
- ✓ PV input current increase to 27x2A
- ✓ Dual output for smart load management
- ✓ Built-in local wifi for 10 meter
- ✓ Built-in zero export
- ✓ European Design and Engineered in Taiwan



| | | | | | | | |
|---------------------|----------------|----------------------|-------------------------|---------------------|-------------------|---------------------|---------------------------|
| | | | | | | | |
| BATTERY OPTIONAL | ON-OFF GRID | BLUETOOTH ENABLED | REVERSE GRID FEEDING | POWER FACTOR 1.0 | WI-FI BUILT-IN | TOUCH BUTTON LCD | PARALLEL UP TO 6 UNITS |

1st TIME IN PAKISTAN
6th GENERATION SOLAR HYBRID
INVERTER WITH EUROPEAN DESIGN

MODEL
Z6 - 6G EUROPEAN PV12000 | 9KVA
Basic Information

| | |
|-----------------------|--------|
| Max. PV Input Power | 12000W |
| Rated AC Output Power | 9000VA |

Grid Tie Operation
PV Input (DC)

| | |
|--|-------------------|
| Nominal DC Volt/Max DC Voltage | 360VDC/450VDC |
| Start-up Voltage/initial Feeding Voltage | 120VDC |
| MPPT Voltage Range | 90-450VDC |
| Np. of MPPT Tracker/Max Input Current | 2/27A (6000W * 2) |

Grid Output (AC)

| | |
|------------------------|--------------------------------------|
| Nominal Output Volt | 220 Vac/230Vac/240Vac, Single Phase |
| Output Voltage Range | 184V-256Vac or 195-253V (Selectable) |
| Nominal Output Current | 40.9A |
| Power Factor | >0.9 |

Efficiency

| | |
|------------------------------------|-----|
| Max. Conversion Efficiency (DC/AC) | 98% |
|------------------------------------|-----|

Off-Grid Operation
AC Input (AC)

| | |
|--|-------------------------|
| AC Start-up Voltage/Auto Restart Volt. | 120Vac-140Vac/180Vac |
| Acceptable Input Voltage Range | 90-280Vac or 170-280Vac |
| Max. AC Input Current | 63A |

PV Input (DC)

| | |
|--|-------------------|
| Max. DC Voltage | 450VDC |
| MPPT Voltage Range | 90-450VDC |
| No. of MPPT Tracker/Max. Input Current | 2/27A (6000W * 2) |

Grid Tie Mode

| | |
|-----------------------|------------------------------------|
| Nominal Output Volt | 220Vac/230Vac/240Vac, Single Phase |
| Feed-in Voltage Range | 184V-256Vac |
| Max Efficiency DC/AC | >95% |

Battery Mode Output (AC)

| | |
|-----------------------|----------------------|
| Nominal Output Volt | 220Vac/230Vac/240Vac |
| Waveform | Pure Sine Wave |
| Efficiency (DC to AC) | 93% |

Hybrid Operation
PV Input (DC)

| | |
|--|-------------------|
| Nominal DC Volt/Max DC Voltage | 360VDC/450VDC |
| Start-up Voltage Initial Feeding Voltage | 120VDC |
| MPPT Voltage Range | 90-450VDC |
| No. of MPPT Tracker/Max. Input Current | 2/27A (6000W * 2) |

Grid Output (AC)

| | |
|------------------------|--------------------------------------|
| Nominal Output Volt | 220Vac/230Vac/240Vac, Single Phase |
| Output Voltage Range | 184V-265Vac or 195-253V (Selectable) |
| Nominal Output Current | 40.9A |

AC Input (AC)

| | |
|--|-------------------------|
| AC Start-up Voltage/Auto Restart Volt. | 120Vac-140Vac/180Vac |
| Acceptable Input Voltage Range | 90-280Vac or 170-280Vac |
| Max. AC Input Current | 63A |

Battery Mode Output (AC)

| | |
|-----------------------|----------------------|
| Nominal Output Volt | 220Vac/230Vac/240Vac |
| Waveform | Pure Sine Wave |
| Efficiency (DC to AC) | 93% |

Battery & Charger

| | |
|--------------------------|-------|
| Battery Type Supported | |
| Nominal Battery Voltage | 48VDC |
| Max Solar Charge Current | 150A |
| Max AC Charge Current | 150A |
| Max Total Charge Current | 150A |

General
Physical

| | |
|----------------------------------|------------------------------|
| Product Dimension D x W x H (mm) | 530-415-149 |
| Product Net Weight (kgs) | 19.4 |
| Product Gross Weight (kgs) | 21.6 |
| Packing Dimension D x W x H (mm) | 690 x 550 x 242mm. 1PC/CTN |
| Parallel Function Optional | Yes Optional, Max 6Pcs |
| Communication Interface | RS232. USB. Wi-Fi. Touch LCD |

Environment

| | |
|-----------------------|--|
| Humidity | 5% to 95% Relative Humidity (Non-Condensing) |
| Operation Temperature | |

Note: Product specifications are subject to change without further notice