

Single Phase On Grid/Off Grid Solar Inverter



3 **YEAR**
WARRANTY

5KW

VT-6605103 SKU: 11376



High DC/AC
ratio



Battery capacity
from 2.4 to 14.4kW.h



User Friendly
HMI



Easy to install



Support
battery
customization

| | MODEL | VT-6605103 |
|---------------------|--|--|
| Input (PV) | Max. PV Input Power | 7kW |
| | Max. PV Input Voltage | 550V |
| | MPP Voltage Range | 125V - 500V |
| | Max. PV Input Current | 14A |
| | Number of MPP Trackers / String per MPPT | 2 / 1 |
| Output (AC) | Max. Output Current | 21.7A |
| | Rated Power | 5kW |
| | Rated Voltage | 230V, L + N + PE |
| | Operating Voltage Range | 180V - 270V |
| | Rated Frequency | 50Hz / 60Hz |
| | Power Factor | 1(0.99 lagging ~ 0.99 leading) |
| Output (EPS) | Rated Power | 5kVA |
| | Rated Voltage | 230Vac |
| | Rated Current | 21.7A |
| | Rated Frequency | 50Hz / 60Hz |
| | Overload Capability | 110%, 60s / 120%, 30s / 150%, 10s |
| | THDU | <2% |
| Battery | Charge / Discharge Current | 95A / 110A |
| | Battery Type | Lithium Iron Phosphate |
| | Battery Module | Customizable |
| | Battery Capacity | 2.4kWh - 14.4kWh |
| | Max. Parallel Batteries | 6 |
| | Life Span | >10 years (25°C/77F) |
| Efficiency | Max. DC Efficiency | 97.6% |
| | MPPT Efficiency | 99.9% |
| Communication | Display | LCD |
| | Communication | standard: RS485 / CAN / DRM optional: WiFi / Lan |
| Standard Compliance | Safety | IEC 62109-1&-2, IEC 62477, CE-EMC |
| General Data | Dimensions (W x H x D) | 580 x 1800 x 350 mm |
| | Weight | 70kg |
| | Operation Temperature | -10°C ~ +60°C |
| | Cooling Method | Forced Air Cooling |
| | Protection Degree | IP20 |
| | Noise Emission | < 50dB |
| | Max. Operating Altitude | 5000m (derating above 2000m) |
| | Relative Humidity | 15% ~ 85% (non-condensing) |
| | Topology | Transformerless |