V-TAC

Meaningful Innovation.

3.6kW

Single Phase Hybrid Solar Inverter

05 YEAR WARRANTY

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CE RoHS

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LISTING DETAILS

Model No:	**VT-6607136**
SKU Code:	**11576**
EAN Code:	**3800157699297**

PV INPUT

Max. Input Power(kW)	**5.4**
Max. PV Voltage(V)	**550**
MPPT Range(V)	**80-500**
Full MPPT Range(V)	**110-500**
Normal Voltage(V)	**360**
Startup Voltage(V)	**100**
Max. Input Current(A)	**18.5x2**
Max. Short Current(A)	**26x2**
No. of MPP Tracker / No. of PV String	**2/2**

BATTERY PORT

Battery Type	**Li-ion / Lead-acid etc.**
Battery Voltage Range(V)	**40-60**
Battery Normal Voltage(V)	**51.2**
Max. Charge/Discharge Current(A)	**80**
Max. Charge/Discharge Power(kW)	**3.6**

EFFICIENCY

CEC Efficiency(%)	**97**
Max. Efficiency(%)	**97.6**
PV to Bat. Efficiency(%)	**98.1**
Bat. between AC Efficiency(%)	**96.8**

AC LOAD OUTPUT

Nominal AC Voltage L-N(V)	**220 / 230**
Nominal AC Frequency(Hz)	**50 / 60**
Nominal AC Current(A)	**16.4/15.7**
Max Continuous Current(A)	**17.0**
Max Continuous Power(kVA)	**3.6**
Max Peak Current(A)(10min)	**24.6/23.5**
Max Peak Power(kVA)(10min)	**5.4**
Switching Time(s)	**Seamless**
Voltage THD(%)	**< 3**

AC GRID

Nominal Grid Voltage(V)	**220 / 230**
Nominal Grid Frequency(Hz)	**50 / 60**
Nominal Grid Current(A)	**16.4/15.7**
Max Continuous Current(A)	**17.0**
Max Continuous Power(kVA)	**3.6**
Current THD(%)	**< 3**
Power Factor	**0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)**

ENA Type Test : https://connect-direct.energynetworks.org/device-databases/generation-device/AFORE%2F12749%2FV1
ENA Device Reference : **AFORE/12749/V1**

GENERAL DATA

Dimensions (L x W x H, mm)	**513 x 370 x 192**
Weight (kg)	**17**
Topology	**Transformerless**
Cooling	**Intelligent Fan**
Relatively Humidity	**0 - 100 %**
Operating Temperature Range (°C)	**- 25 to 60**
Operating Altitude (m)	**< 4000**
Noise Emission (dB)	**< 25**
Standby Consumption (W)	**< 10**
Mounting	**Wall Bracket**
Communication with RSD	**SUNSPEC**
Display & Communication Interfaces	**LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G**
Certification & Approvals	**NRS97, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105,VDE0126, IEC62040, IEC62109-1, IEC62109-2**
EMC	**EN61000-6-2, EN61000-6-3**

PROTECTION

PV Reverse Polarity Protection	**Yes**
Over Current/Voltage Protection	**Yes**
Anti-Islanding Protection	**Yes**
AC Short Circuit Protection	**Yes**
Residual Current Detection	**Yes**
Ground Fault Monitoring	**Yes**
Insulation Resister Detection	**Yes**
PV Arc Detection	**Yes**
Enclosure Protect Level	**IP65 / NEMA4X**