itel

Hybrid Inverter

4kW-24V SP-HYBRID

- 3 years replacement
- 5 years service warranty

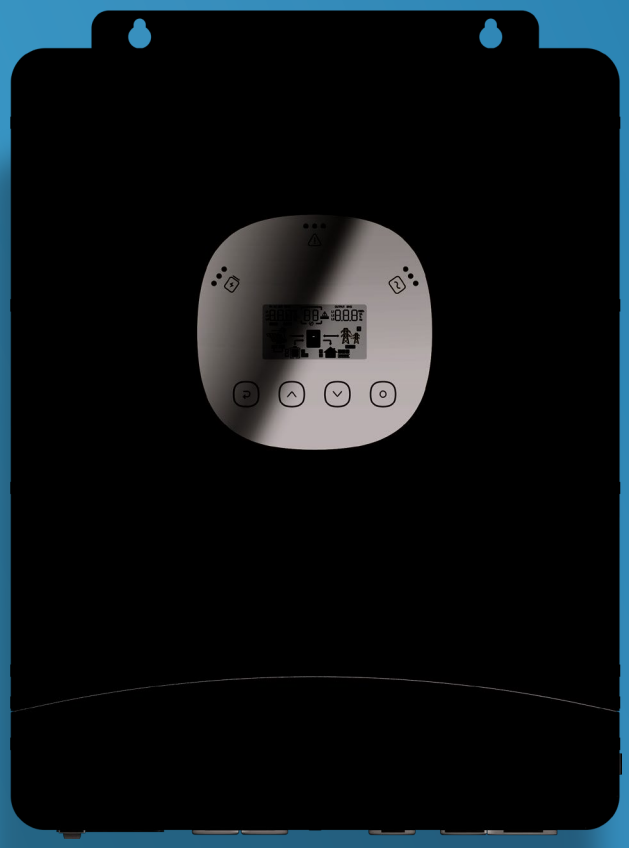
IP54
Low Failure Rate

Strong Overload Capacity

Smart load (Additional Contactor)

Intelligent Air Cooling

93%
High Conversion Efficiency



WiFi & GPRS Available

GET IT ON Google Play

Available on the App Store

Model	IPV-4K24U
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. Battery Mode Conversion Efficiency	93%
PV Input	
Max. PV Input Power	4000W
Max. DC Input Voltage	500V
Start-up Voltage	75V
MPPT Voltage Range	85V~450V
Max. Input Current	15A
Number of MPPT Trackers	1
AC Input	
Max. Grid Input Voltage (Absolute Maximum Ratings)	>380VAC
Input Voltage Range	90-280VAC
Maximum AC Input Current	22A
Nominal Operating Frequency	50/60Hz
AC Output	
Nominal AC Output Power	4000W
Max. Output Apparent Power	4000VA
Nominal AC Output Voltage	220/230/240VAC
Total Voltage Harmonic Distortion	<3%
Nominal AC Output Current	18.2A
Max. AC Output Current	36.4A (5 seconds)
Nominal AC Frequency	50Hz/60Hz
Switch Time	10ms
Surge Power	8000VA
Load Capacity of Motor	3.5HP
Overload Capacity	10s@110%~150% load 5s@150%~200% load
Battery	
Battery Type	Lead-acid/Li-ion/User Defined
Rated Battery Voltage	24VDC
Battery Voltage Range	20V-30V
Max. MPPT Charging Current	120A
Max. Mains/Generator Charging Current	100A
Max. Battery Discharging Current	160A
General	
Dimensions D*W*H (mm)	120*346.6*444.7
Net Weight (kg)	11.4
Operating Temperature Range	-10~+55°C, >45°C Power Derating
Max. Operating Altitude	4000m, >2000m Power Derating
Communication	WIFI/RS485(BMS)/Dry Contact/RS232
Diesel Generator Support	Yes, External ATS
Smart Load Support	Yes, External Contactor
Number of Parallel	Not support
Cooling Method	Intelligent Fan Cooling
Noise	< 60dB
Authentication Level	IEC62109-1, IEC62109-2, IEC61683
Protection	
Ingress Protection	IP54
Overvoltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC: TypeIII, AC: TypeIII