



Hybrid Inverter IP54 4KW

3-Year Replacement Warranty
5-Year Service Warranty



15A

(PV Input Power)

99.9%

(MPP Tracking Efficiency)

8000VA

(Surge Power)

4KW

(Power Range)

Safety & Reliability



IP54 Protection Degree



Efficiency Input

15A
Max. PV Input Current

120A
Max. Charge/ Discharge Current



Smart Grid Adaptation 90 – 280 VAC



Quiet Operating Environment Operating Noise Below 60 dB



<60 dB

Comprehensive Warranty



Stable High Temperature Operation at 55°C without Power Degradation



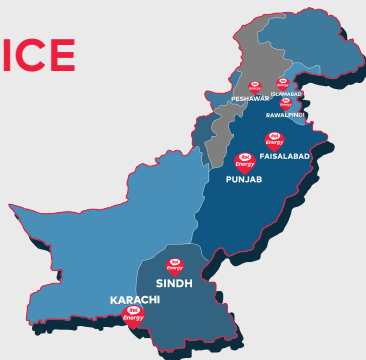
55°C

Model	IPV-4K24U
Efficiency	
MPP 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
Max. PV Isc	20A
Number of MPPT Trackers	1
AC Input	
Max. Grid Input Voltage (Absolute Maximum Ratings)	>380VAC
Input Voltage Range	90~280VAC
Maximum AC Input Current	28A
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	50/60Hz
Switch Time	10ms
Surge Power	8000VA
Load Capacity of Motor	3HP
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	120*346.6*444.7mm
Net Weight	11.4kg
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	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: Typelll, AC: Typelll

MAP OF SERVICE CENTER

Itel Energy And Carlare Together
Establish After-Sales Service Centers

Itel Energy Hotline:
+92 42111 999 666



CarlCare Service Pvt Ltd (www.carlcare.com/pk/) is dedicated to providing top-notch after-sales support for itel Energy customers in Pakistan

1 senior repair center was established in lahore

13 authorized service center provide 3-year replacement service

46 official service center provide 3-year replacement service

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