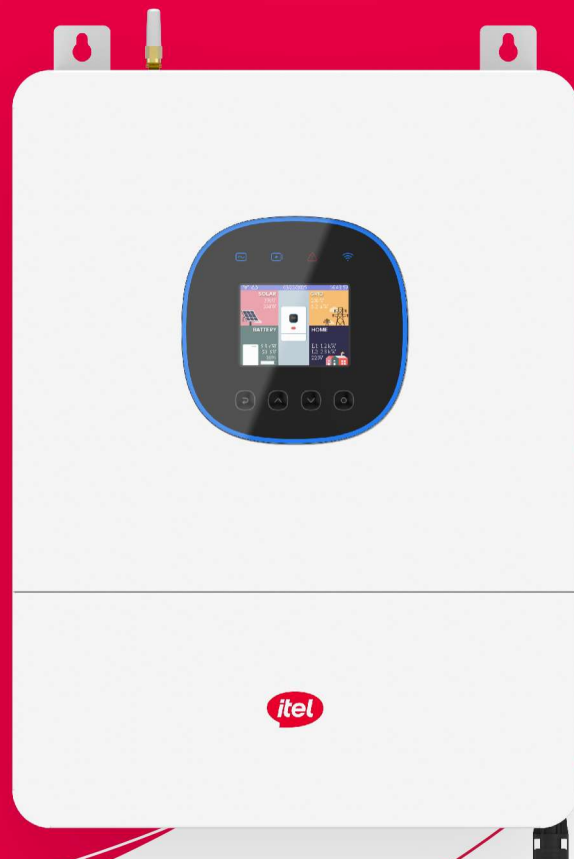


IPV-4K24T

Hybrid Inverter



IPV-4K24T | Hybrid Inverter



Dual Output

Support Smart Load and Main Load



High Efficiency

Pure Sine Wave Inverter

MPPT Efficiency $\geq 99\%$

Max. Battery Mode Conversion Efficiency $> 93\%$



Powerful Performance

102%~110% Load @ 1min

110%~130% Load @ 15s

130%~150% Load @ 10s

$\geq 150\%$ Load @ 5s



Solid Quality & Service

IP54 Protection Design for Anti-Dust & Waterproof
3-Year Replacement



Low Noise

Under the Worst-case Condition of Full-power Operation at
1m with PV Access, the Noise Level Is Less than 50dB



High PV Input Power

MPPT Input Current up to 28A

Up to 8kW PV Input Power

Max. MPPT Charging Current up to 160A

Model	IPV-4K24T
Efficiency	
MPPT Efficiency	99.90%
Max. Conversion Efficiency	>93%
PV Input	
Max. PV Input Power (W)	8000
Max. PV Input Voltage (V)	500
Start-up Voltage (V)	70
MPPT Voltage Range (V)	60~450
Max. Input Current (A)	28
Number of MPPT	1
Number of Strings per MPPT	1
AC Output	
Nominal Output Power (W)	4000
Max. Output Apparent Power (VA)	4000
Nominal Output Voltage (Vac)	220/230/240 (L+N+PE)
Max. Output Current (A)	18.2
Output Frequency (Hz)	50/60
Total Current Harmonic Distortion	<3%
Surge Power (VA)	8000 @ 5s
Overload Capability	102%~110% Load @ 1min 110%~130% Load @ 15s 130%~150% Load @ 10s ≥150% Load @ 5s
AC Input	
Nominal Input Voltage (Vac)	230
Input Voltage Range (Vac)	90~280
Max. AC Input Current (A)	28 (Bypass Mode)
Nominal Operating Frequency (Hz)	50/60
Battery	
Battery Type	Lead-acid/Lithium-ion/User Defined
Rated Voltage (V)	24
Battery Voltage Range (V)	20~30
Max. Solar Charging Current (A)	140
Max. Mains/Generator Charging Current (A)	120
Max. Charging Current (A)	160
General	
Dimensions (L/W/H mm)	300*400*111
Net Weight (kg)	8.4
Operating Temperature Range (°C)	-25~+60 (>45°C Power Derating)
Max. Operating Altitude (m)	3000 (>2000m Power Derating)
Communication	Wi-Fi/RS485/CAN
Diesel Generator Plug-in	Yes
Dual Load Output	Yes, one of the outputs would be bidirectional
Cooling Method	Intelligent Fan Cooling
Parallel Capability	Not Supported
Noise (dB)	≤50
Protection	
Ingress Protection	IP54
PV Reverse Protection	Yes
Overvoltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC: TYPE III, AC: TYPE III