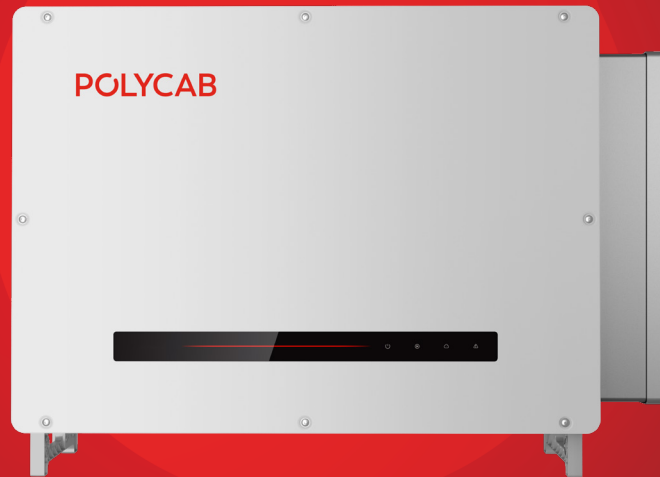




UT Series

An ideal choice for PM-KUSUM initiatives & large utility scale, ground mounted PV plants

Three Phase – 12/15 MPPT

Models : PSIT-350K-KH-UT | 350K-K-UT

Leading Features

Higher Yields	15A/20A max. DC input current per string Anti-PID and PID recovery
Superb Safety & Reliability	IP66 and optional C5 protection Full power operation at high temperatures: 352kW@40°C, 320kW@45°C
Lower Costs	Reactive power compensation at night High-speed Power Line Communication (HPLC) for reduced wiring costs
Grid Friendly	Stable operation under weak grid conditions: SCR≥1.2 Dynamic reactive power response <30ms
Module Compatibility	Compatible with all types of Solar PV modules, including Thin-film modules

THREE PHASE & 12/15 MPPT

PSIT-350K-KH-UT | 350K-K-UT

TECHNICAL SPECIFICATIONS		
Model	PSIT-350K-KH-UT	PSIT-350K-K-UT
Rating	350 kW	
INPUT		
Max. Input Voltage (Vdc)	1500	
MPPT Operating Voltage Range (Vdc)	480 ~ 1500	
Start-up Voltage (Vdc)	500	
Nominal Input Voltage (Vdc)	1160	
Max. Input Current per MPPT (A)	40	30
Max. Short Circuit Current per MPPT (A)	60	50
Number of MPP Trackers	12	15
Number of Strings per MPPT	2	
OUTPUT		
Nominal Output Power (kW)	352	
Nominal Output Apparent Power (kVA)	352kVA@40°C / 320kVA@45°C / 300kVA@50°C	
Max. AC Active Power (kW)	352	
Max. AC Apparent Power (kVA)	352	
Nominal Output Voltage (V)	800, 3L / PE	
Output Voltage Range (V)	640 ~ 920	
Nominal AC Grid Frequency (Hz)	50 / 60	
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	254	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	
EFFICIENCY		
Max. Efficiency	99.01%	
European Efficiency	98.80%	
PROTECTION		
PV String Current Monitoring	Integrated	
Internal Humidity Monitoring	Integrated	
PV Insulation Resistance Detection	Integrated	
Residual Current Monitoring	Integrated	
PV Reverse Polarity Protection	Integrated	
Anti-islanding Protection	Integrated	
AC Overcurrent Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Overvoltage Protection	Integrated	
DC Switch	Integrated	
DC Surge Protection	Type II	
AC Surge Protection	Type II	
PID Recovery	Integrated	
Anti-PID	Integrated	
Reactive Power Compensation at Night / Q at Night	Integrated	
Power Supply at Night	Integrated	
I-V Curve Scan	Optional	
GENERAL DATA		
Operating Temperature Range (°C)	-35 to 60	
Relative Humidity	0 ~ 100%	
Max. Operating Altitude (m)	5000 (>4000 derating)	
Cooling Method	Smart Fan Cooling	
User Interface	LED, LCD (Optional), WLAN + APP	
Communication	RS485 or HPLC	
Communication Protocols	Modbus RTU	
Weight (Kg)	124	
Dimension (W × H × D mm)	1120 × 810 × 368	
Topology	Non-isolated	
Self-consumption at Night (W)	<3	
Ingress Protection Rating	IP66	
DC Connector	MC4 (4 ~ 6mm², 10mm² Optional)	
AC Connector	OT / DT terminal (Max. 400mm²)	
WARRANTY	5 Years Standard, **Expendable up to total 10 Years	

Note : ①②The range of output voltage and frequency may vary depending upon different grid codes as per the government regulations.
Specifications are subject to change without advanced notice. *Conditions Apply based on PV Module Rating. ** On additional charges

