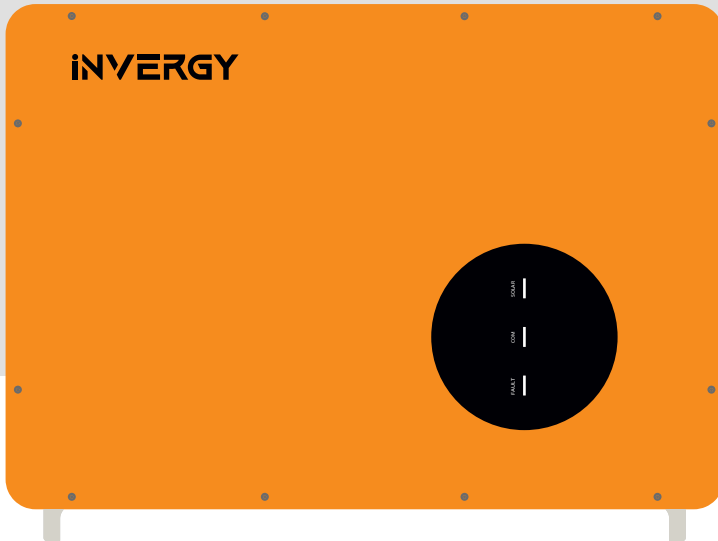


Utility Series



350 kW – THREE PHASE INVERTER

INV 350 TP

Key Features:

-  ABUS to enhance communication stability and reduce cable costs
-  Designed to operate in challenging global environmental conditions
-  Secured and reliable remote firmware upgrade simplifying long-term operation.
-  High operation capability in weak grid
-  Maximizing yield by leading conversion efficiency > 99%
-  Compatible with max. 500mm² AC cables
-  Smart DC connector disconnection
-  Night and day time reactive power control.
-  75A per MPPT, compatible with high current PV modules.
-  Smart I-V Curve tracing for easy diagnostics.
-  Smart self-cleaning fans.
-  DC connector and AC terminal temperature detection
-  Anti-PID solution to mitigate PV module degradation.

Model	INV 350 TP
Input(DC)	
Max. input voltage	1500V
MPP voltage range / rated input voltage	500V-1500V/1080V
Min. input voltage	500V
Startup input voltage	550V
Max. operating input current per MPP	75A
Max. short circuit current per MPP	113A
No. of independent MPPT inputs / strings per MPPT input	6/5
Output(AC)	
AC output power	352 KVA @ 40 °C*/ 345 KVA @ 45 °C*/ 325 KVA @ 50 °C*
AC nominal voltage	800V
AC voltage range	640V - 920V
AC grid frequency / range	50/60 Hz (+/- 10%)
Max. output current	254.0A
Adjustable power factor range	0.8 leading - 0.8 lagging
Feed-in phases	3/3-PE
THD	< 3%
Efficiency	
Max. efficiency/European efficiency	99.01%/ 98.52%
Efficiency & Protection	
Smart DC switch	Yes
AC /DC temperature detection	Yes
Anti-islanding protection	Yes
AC over current protection	Yes
DC reverse-polarity protection	Yes
AC short circuit protection	Yes
PV string monitoring	Yes
DC surge protection	Type II
AC surge protection	Type II
Residual Current Monitoring Unit (RCMU)	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Anti-PID	Optional
General data	
Dimensions (W/H/ D)	1,158/760/382mm
Weight	≤ 117.0 kg
Operating temperature range	-30°C~60°C
Self-consumption (at night)	<5W
Topology	Non-isolated
Cooling concept	Smart forced cooling
Protection degree	IP66
Relative humidity	0~100%(non-condensing)
Max. operating altitude	5000m (> 4000m with derating)
Features	
DC connector	DC Plug-in connector
AC connector	OT / DT Terminal (Max.500mm2)
display	LED, Bluetooth + APP
USB	Yes
Communication	RS485/ABUS
Country of manufacture	India
Compliance	
Certificates and approvals (more available on request)	IEC62109-1/2,IEC61727,IEC62116,IEC61683,IEC60068,EN50549-2