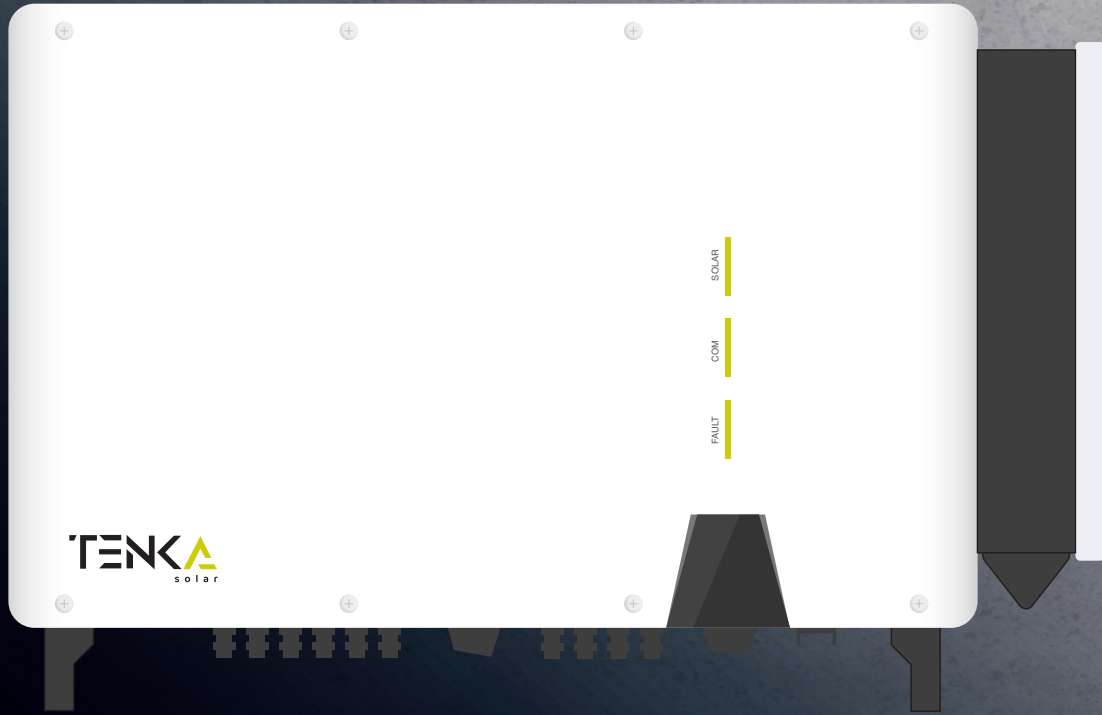


Tenka Power Center 7500 - Three Phase Inverter



Tenka Power Center 7500 - Three Phase Inverter - Main benefits



Maximum design flexibility
up to 10 MPPTs for versatility in
PV system design and layout.



Fuse-less Design
Reducing BOS and O&M
costs



150% oversizing
150% PV array oversizing
for higher yields



32A String Current
32A maximum DC current
per MPPT input



IP-66 Rating
IP66-rated design for reliable
outdoor use



Arc fault circuit interruptor
AFCI protection reduces fire risk
resulting from DC arcs.

Tenka Power Center 7500

80 KW

100 KW

110 KW

Input (DC)				
Max. PV array power	120000 Wp STC	150000 Wp STC	165000 Wp STC	
Max. input voltage	1100 V			
MPP voltage range / rated input voltage	200V - 1000 V / 630 V			
Min. input voltage	200 V			
Initial. feed-in voltage	250 V			
Max. operating input current	32 A			
Max. short circuit current	48 A			
No. of independent MPPT inputs / strings per MPPT input	8/2	10/2	10/2	
Output (AC)				
Rated active power	80000 W	100000 W	110000 W	
Max. apparent power	80000 W	100000 W	110000 W	
AC nominal voltage	220 V / 380 V 230 V / 400 V			
AC voltage range	312 V - 528 V			
AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz			
AC nominal output current	115.8 A	144.3 A	158.8 A	
Max. output current	127.0 A	158.8 A	174.7 A	
Adjustable power factor range	0.8 leading to 0.8 lagging			
Feed-in phases	3 / 3-N-PE			
Harmonic distortion (THD) at rated output	< 3%			
Efficiency & Protection				
Max. efficiency / European efficiency	98.6% / 98.4%			
DC switch	●			
Ground fault monitoring / grid monitoring	● / ●			
DC reverse polarity protection / AC short circuit protection	●			
AC Overcurrent Protection	●			
DC Surge Protection	Type II			
AC Surge Protection	Type II			
Residual Current Monitoring Unit	●			
Arc fault circuit interrupter (AFCI)	○			
Anti-islanding Protection	●			
Protection class (IEC 62109-1) / overvoltage cat. (IEC 62109-1)	I / AC: III; DC: II			
General Data				
Dimensions (W / H / D)	984/ 640 / 330 mm			
Weight	86 kg			
Operating temperature range	-25°C ... +60°C			
Self-consumption (at night)	< 3 W			
Topology	Non-isolated			
Cooling concept	Active cooling			
Degree of protection (according to IEC 60529)	Ip66			
Climatic category (according to IEC 60721-3-4)	4K4H			
Max. permissible value for relative humidity (non-condensing)	100%			
Max. operating altitude	4000 m			
EMC	CLASS B			
DC Connector	DC Plug-in connector			
AC Connector	OT/DT Terminal (Max.240mm2)			
LED indicators (Status / Fault / Communication)	●			
Communication interface (RS485 / WiFi / 4G / LAN)	● / ○ / ○			
Modbus-Sunspec protocol	●			
Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 61727, IEC 62116, IEC61683, EN50549-1/2, VDE4105			

● Standard features ○ Optional features

Optional energy meter for solar charging function and dynamic load balancing
All information is subject to change | Version: Jan 2024

