


STAR
 SERIES

5 KW - 25 KW
3 PHASE
ON-GRID SOLAR INVERTER

Patented Cooling Design • Unique H6 Topology Prevent Leakage Current
 IP66 • Voltage Range Upto 290V • DC Switch



Big LCD display



Compact and easy to install



Power export limit



Wifi/GPRS/Lan communication optional

Model	TP5KW	TP6KW	TP8KW	TP10KW	TP12KW	TP15KW	TP17KW	TP20KW	TP25KW
Input (DC)									
Max DC power (W)	6500W	7500W	9500W	11500W	18000W	22500W	25500W	30000W	30000W
Max DC voltage (Vdc)	1000Vd.c.								
Min working voltage (Vdc)	160Vd.c.						250Vd.c.		
MPPT voltage range (Vdc)	160...850Vd.c.						200...850Vd.c.		
Max input current / per string (A)	18A/18A						26A/26A		36A/26A
Max.input short circuit MPPT	25A/25A						34A/34A		46A/34A
Number of MPP trackers						2			
Strings per MPP tracker	1						2		
Output (AC)									
AC nominal power (W)	5000	6000	8000	10000	12000	15000	17000	20000	25000
MaxAC apparent power (VA)	6000	7000	8800	11000	13200	16500	18700	22000	27500
Max output current (A)	10	12	15	17	20	23	25	30	36
NominalAC output	50/60 Hz; 400 Vac								
AC output range	45/55 Hz ; 280 ~ 490 Vac (Adj)								
Power factor	0.8leading...0.8laging								
Harmonics	< 5%								
Grid type	3 W/N/PE								
Efficiency									
Max efficiency	98.2%	98.2%	98.3%	98.4%	98.4%	98.4%	98.5%	98.5%	98.5%
Euro efficiency	97.7%	97.7%	97.8%	97.9%	97.9%	98.0%	98.1%	98.1%	98.2%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection									
DC reverse-polarity protection					yes				
DC breaker					yes				
DC/AC SPD					yes				
Leakage current protection					yes				
Insulation Impedance Detection					yes				
Residual Current protection					yes				
General Parameters									
Dimension (W/H/D)(mm)	480*476*157						520*510*160		
Weight (kg)	16						23		
Operating temperature range °C	-25 ~ +60								
Degree of protection	IP65								
Cooling concept	Smart Cooling								
Topology	Transformerless								
Display	LCD								
Humidity	0-95%, no condensation								
Communication	RS485/WiFi/GPRS								