

TBEA 特变电工

Equip China Powering the world

TBEA TS250KTL-HV-C1 Datasheet		
	Maker	TBEA
	Model	TS250KTL-HV-C1
	Country of Manufacturer	China
A	Input Data	
1	MPPT Voltage Range	500-1500V (880~1300V full load)
2	Max. Input Current	9*40A
3	DC Short Circuit Current	9*50A
4	No. of Independent MPPTs	9
5	Max. Voltage DC	1500V
6	No. of Input	18
7	Input Current Monitoring	Yes
8	DC Disconnection Device	Three DC switches (1 per 3 MPPT)
B	Output Data	
1	Nominal AC Power	250kW
2	Max. AC Apparent Power	250kVA@30°C 228kVA@40°C 208kVA@50°C
3	Nominal AC Voltage	800Vac,3W+PE
4	Grid Voltage Range	680V-920V
5	Power Factor	>0.99 (nominal power)
6	Adjustable Power Factor Range	0.8 leading-0.8 lagging
7	Rated Frequency	50Hz
8	Max. Current	180A
9	Current Harmonic Distortion	<3% (nominal power)
C	Efficiency	
1	Max. Efficiency	99%
2	Euro Efficiency	98.7%
D	Environment Condition	
1	Ingress Protection	IP66
2	Ambient Temperature	-25~60°C
3	Derating Temperature	>30°C
4	Humidity	0~100%
5	Max. Altitude	5000m (>4000m derating)
6	Cooling Method	Smart Forced Air Cooling
7	Noise	<80dB@1m
E	Mechanical Design	
1	Dimensions (W*H*D)	1100*700*360mm
2	Weight	110kg

TBEA Xi'an Electric Technology Co., Ltd

Add: TBEA Xi'an Industrial Park, No.70, Shanglinyuan 4th Road, High-tech Zone, Xi'an, CHINA

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3	Color	RAL9002
F	Protection	
	DC Side	
1	Over Voltage Protection	Yes
2	Over Current Protection	Yes
3	Reverse Polarity Protection	Yes
4	Anti-PID Feature	Yes
5	Insulation Monitoring	Yes
6	Over Heat Protection	Yes
7	Surge Protection	Yes
8	Short Circuit Protection	Yes
9	Fan Protection	Yes
	AC side	
10	Over / Under Voltage Protection	Yes
11	Over Current Protection	Yes
12	Over / Under Frequency Protection	Yes
13	Sequence Protection	Yes
14	Short Circuit Protection	Yes
15	Surge Protection	Yes
G	Grid Support Features	
1	LVRT	Yes
2	HVRT	Yes
3	Anti-islanding	Yes
4	SVG (night time reactive power compensation)	Yes
5	PF Control	Yes
H	User Interface	
1	Display / HMI	LED + Wi-Fi + APP
2	Communication	RS485, PLC (with TCMO box option)
3	Fault / Alarm History	Yes
4	Remote Operation and Control	Yes
I	Connection	
1	DC side Termination with Cable Size	Amphenol UTX/ Staubli MC4 EVO2 Max.6mm ²
2	AC side Termination with Cable Size	Waterproof Connector + DT Terminal Max.300mm ²
J	Compliance	
1	IEC 62109, EN 50530, IEC 62116, IEC 61727, IEC 62910, IEC 60068, IEC 61683, IEC 61000, IEC 60529, NTS2.1, P.O.12.3, EN 50549-1/-2 etc.	

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