DZB - TSI
INVERTER SYSTEMS CONFIGURATION ETAG
7.5kVA/225.0kVA (Standard Solutions)

3 PHASE (415VAC/50...60Hz) INPUT/3 PHASE (415VAC/50...60Hz) OUTPUT WITH 12 YEARS LONG LIFE VRLA BATTERY BANK/1 hr.

INVERTER REFERENCE	FULL LOAD CURRENT IN AMPS	RECTIFIER/ CHARGER - Amps		BATTERY BANK (Ah)	INVERTER RACK			BATTERY CABINET	
		ULAD 1000/110	ULAD 4400/110		RATING (VA)	INVERTER 2.5kVA/110	DIMENSIONS (HxWxD in mm)	TYPE	DIMENSIONS (HxWxD in mm)
DZB-TSI/7.5	8.70	1.33	-	20	7500	3xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/15.0	17.39	2.67	-	40	15000	6xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/22.5	26.09	3.33	-	50	22500	9xTSI	1800x600x603	BS 4.20/3G	1200x600x600
DZB-TSI/30.0	34.78	5.33	-	80	30000	12xTSI	1800x600x603	BS 4.20/3G	1200x600x600
DZB-TSI/37.5	43.48	6.00	-	90	37500	15xTSI	1800x600x603	BS 420/3G	1400x600x600
DZB-TSI/45.0	52.17	7.33	-	110	45000	18xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/52.5	60.87	8.67	-	130	52500	21xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/60.0	69.56	10.00	-	150	60000	24xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/67.5	78.26	11.67	-	175	67500	27xTSI	1800x600x603	BS 5.21/3G	1400x800x600
DZB-TSI/75.0	86.95	13.33	-	200	75000	30xTSI	2100x600x603	BS 9.21/3G	2000x900x600
DZB-TSI/82.5	95.65	15.00	-	225	82500	33xTSI	2100x1200x603	BS 9.21/3G	2000x900x600
DZB-TSI/90.0	104.34	15.00	-	225	90000	36xTSI	2100x1200x603	BS 9.21/3G	2000x900x600
DZB-TSI/97.5	113.04	16.00	-	2x120	97500	39xTSI	2100x1200x603	BS 9.21/3G	2000x900x600
DZB-TSI/105.0	121.73	17.33	-	2x130	105000	42xTSI	2100x1200x603	BS 9.21/3G	2000x900x600
DZB-TSI/112.5	130.43	20.00	-	2x150	112500	45xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/120.0	139.12	20.00	-	2x150	120000	48xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/127.5	147.82	23.33	-	2x175	127500	51xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/135.0	156.52	23.33	-	2x175	135000	54xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/142.5	165.21	23.33	-	2x175	142500	57xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/150.0	173.91	26.67	-	2x200	150000	60xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/157.5	182.60	26.67	-	2x200	157500	63xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/165.0	191.30	30.00	-	2x225	165000	66xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/172.5	199.99	30.00	-	2x225	172500	69xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/180.0	208.69	30.00	-	2x225	180000	72xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/187.5	217.38	30.00	-	2x225	187500	75xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/195.0	226.08	35.00	-	3x175	195000	78xTSI	2100x1800x603	BS 9.21/7G	2000x900x600
DZB-TSI/202.5	234.77	35.00	-	3x175	202500	81xTSI	2100x2400x603	BS 9.21/7G	2000x900x600
DZB-TSI/210.0	243.47	35.00	-	3x175	210000	84xTSI	2100x2400x603	BS 9.21/7G	2000x900x600
DZB-TSI/217.5	252.16	40.00	-	3x200	217500	87xTSI	2100x2400x603	BS 9.21/7G	2000x900x600
DZB-TSI/225.0	260.86	40.00	-	3x200	225000	90xTSI	2100x2400x603	2xBS 9.21/5G	2x2000x900x600

Note: Battery reservoir has been designed in accordance with IEEE Std.450-1995, actual values multiply by 1.25 battery aging factor.
Contact **ETAG** Regional office for customized DZB-TSI Inverter System configuration technical data.

TSi Twin Sine Inverter

GERMAN TECHNOLOGY

Design Calculation

Calculate the full load current of a 120kVA 3 phase 415V mains in-put and 3Phase out-put Central Inverter power supply. The Inverter efficiency is .96% whereas the power factor is 0.8. Design appropriate secondary power source for 60 minutes duration. Calculate adequate rating of rectifier/charger in accordance with harmonized EN 50171 standards.

Step-1:

Formula: Power (P) $= \dfrac{\sqrt{3} \times V_L \times I_L}{1000}$

Full load Current (IL) $= \dfrac{kVA \times p.f \times 1000}{\sqrt{3} \times V_L \times \eta}$

Whereas,

P = Max. demand load in kVA or Inverter rating (120kVA)

p.f = Power factor (0.8)

η = Inverter Efficiency (0.96%)

V_L = Line Voltage or mains power (415VAC/50Hz) in volts

I_L = Full load current in Amperes

Discharge Time	End Voltage
5 min. < t < 59 min.	1.70Vpc
1 hr. < t < 8 hrs.	1.75Vpc
8 hr. < t < 24+ hrs.	1.80Vpc

Therefore full load current of a fully loaded 120kVA Inverter at mains voltage 415VAC-

Full load Current (I_L) $= \dfrac{120 \times 0.8 \times 1000}{\sqrt{3} \times 415 \times 0.96\%} =$ **139.12 amps**

Step-2:

Selection of secondary power supply is based on long life Valve Regulated Lead Acid (VRLA) battery reservoir having a design life of 12 years at 30°C.

Following criteria shall be applied in acc. to harmonized EN standards-

- The nominal touch voltage of battery bank shall be limited to 120VDC as stipulated in EN 50171 (IEC 61201)
- End of discharge (E.O.D) voltage shall be ≥97.2 VDC (i.e. 108VDC x 90%) in acc. EN 50171 clause 6.12.5
- Apply two level (UI,U2) constant voltage constant current charge method
- Boost voltage 2.33 – 2.40 VPC (UI charge level) @ 20°C in acc. to DIN41775
- Float voltage 2.27 – 2.30 VPCc (U2 charge level) @ 20°C in acc. to DIN41775
- Apply 1.25 aging factor in acc. to IEEE Std. 450-1995

Hence, full load current multiply 1.25 to select a battery reservoir in acc. to IEEE standards.

139.12 x 1.25 = **173.90 Amps**

Refer to battery reservoir catalogue page 12/16 constant current discharge table, the long life VRLA battery G12 TUA- 160 Ah, delivers a current of 91.9 amps at 20° C for 1hrs.

Hence, the 120 kVA central Inverter power supply demands 2 strings of 160 Ah VRLA battery receiver to power the critical load for 60 minutes incase of mains failure.

2 strings x 160Ah = **320 Ah**

The selected long life VRLA battery is built with “Microcat catalyst” to achieve full design life to 12 years at operating temperature of 30°C. Refer to catalogue page 12/11 and 12/12 for more detail of catalyst device.

Step-3:

The charging method of VRLA battery will decide the life of battery bank and guarantee rated discharge current. However, a more positive method of determining the rectifier/charger rating is given in the formula:

$$\text{Rectifier/Charger } (I_{bc}) = \frac{\text{Ah x \% Charge x k} + I_{INV}}{t_R}$$

Discharge/ charge rate duration	Temperature Correction Factors to be applied for VRLA Battery ≥30°C								
	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C
5 minutes to 59 minutes	0.800	0.860	0.910	0.960	1.000	1.037	1.063	1.085	1.100
1 hour to 24 hours	0.860	0.900	0.930	0.970	1.000	1.028	1.050	1.630	1.070

Whereas,

I_{bc} = Rectifier/charger current in Amps

% = Percentage of actual Ah to be re- charged after fully discharged

K = Efficiency factor to return to 100 percentage of discharged ampere

Apply 1.1 for Pb batteries and 1.4 for NiCad batteries

t_R = Recharge time of battery bank

I_{INV} = Current drawn by the Inverter (Hybrid DZB-TSI Inverters are self sufficient with DC buffer, hence "I_{INV}" is not applicable)

$$\text{Rectifier/charger } (I_{bc}) = \frac{320\text{Ah x } 80\% \text{ x } 1.1}{12} = \mathbf{23.46\ Amps}$$

Contact **ETAG** Regional for Customized DZB-TSI Inverter system configuration technical data.

DZB - TSI
INVERTER SYSTEMS CONFIGURATION ETAG
7.5kVA/225.0kVA (Standard Solutions)

3 PHASE (415VAC/50...60Hz) INPUT/3 PHASE (415VAC/50...60Hz) OUTPUT WITH 12 YEARS LONG LIFE VRLA BATTERY BANK/1.5 hrs.

INVERTER REFERENCE	FULL LOAD CURRENT IN AMPS	RECTIFIER/ CHARGER - Amps		BATTERY BANK (Ah)	INVERTER RACK			BATTERY CABINET	
		ULAD 1000/110	ULAD 4400/110		RATING (VA)	INVERTER 2.5kVA/110	DIMENSIONS (HxWxD in mm)	TYPE	DIMENSIONS (HxWxD in mm)
DZB-TSI/7.5	8.70	1.33	-	20	7500	3xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/15.0	17.39	3.33	-	50	15000	6xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/22.5	26.09	4.67	-	70	22500	9xTSI	1800x600x603	BS 4.20/3G	1200x600x600
DZB-TSI/30.0	34.78	6.67	-	100	30000	12xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/37.5	43.48	8.00	-	120	37500	15xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/45.0	52.17	10.00	-	150	45000	18xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/52.5	60.87	11.67	-	175	52500	21xTSI	1800x600x603	BS 5.21/3G	1400x800x600
DZB-TSI/60.0	69.56	13.33	-	200	60000	24xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/67.5	78.26	15.00	-	225	67500	27xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/75.0	86.95	16.00	-	2x120	75000	30xTSI	2100x600x603	BS 9.21/5G	2000x900x600
DZB-TSI/82.5	95.65	17.33	-	2x130	82500	33xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/90.0	104.34	20.00	-	2x150	90000	36xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/97.5	113.04	21.33	-	2x160	97500	39xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/105.0	121.73	23.33	-	2x175	105000	42xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/112.5	130.43	23.33	-	2x175	112500	45xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/120.0	139.12	26.67	-	2x200	120000	48xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/127.5	147.82	26.67	-	2x200	127500	51xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/135.0	156.52	30.00	-	2x225	135000	54xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/142.5	165.21	30.00	-	2x225	142500	57xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/150.0	173.91	33.33	-	2x250	150000	60xTSI	2100x1800x603	BS 9.21/6G	2000x900x600
DZB-TSI/157.5	182.60	35.00	-	3x175	157500	63xTSI	2100x1800x603	BS 9.21/7G	2000x900x600
DZB-TSI/165.0	191.30	35.00	-	3x175	165000	66xTSI	2100x1800x603	BS 9.21/7G	2000x900x600
DZB-TSI/172.5	199.99	35.00	-	3x175	172500	69xTSI	2100x1800x603	BS 9.21/7G	2000x900x600
DZB-TSI/180.0	208.69	40.00	-	3x200	180000	72xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/187.5	217.38	40.00	-	3x200	187500	75xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/195.0	226.08	45.00	-	3x225	195000	78xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/202.5	234.77	45.00	-	3x225	202500	81xTSI	2100x2400x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/210.0	243.47	46.67	-	4x175	210000	84xTSI	2100x2400x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/217.5	252.16	46.67	-	4x175	217500	87xTSI	2100x2400x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/225.0	260.86	46.67	-	4x175	225000	90xTSI	2100x2400x603	2xBS 9.21/5G	2x2000x900x600

Note: Battery reservoir has been designed in accordance with IEEE Std.450-1995, actual values multiply by 1.25 battery aging factor.
Contact **ETAG** Regional office for Customized DZB-TSI Inverter System configuration technical data.

AC/AC Emergency Lighting Solution with EDB

ENCAPSULATED TECHNOLOGY

DZB - TSI
INVERTER SYSTEMS CONFIGURATION ETAG
7.5kVA/225.0kVA (Standard Solutions)

3 PHASE (415VAC/50...60Hz) INPUT/3 PHASE (415VAC/50...60Hz) OUTPUT WITH 12 YEARS LONG LIFE VRLA BATTERY BANK/2 hrs.

INVERTER REFERENCE	FULL LOAD CURRENT IN AMPS	RECTIFIER/ CHARGER - Amps		BATTERY BANK (Ah)	INVERTER RACK			BATTERY CABINET	
		ULAD 1000/110	ULAD 4400/110		RATING (VA)	INVERTER 2.5kVA/110	DIMENSIONS (HxWxD in mm)	TYPE	DIMENSIONS (HxWxD in mm)
DZB-TSI/7.5	8.70	2.00	-	30	7500	3xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/15.0	17.39	4.33	-	65	15000	6xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/22.5	26.09	6.00	-	90	22500	9xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/30.0	34.78	8.00	-	120	30000	12xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/37.5	43.48	10.00	-	150	37500	15xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/45.0	52.17	11.67	-	175	45000	18xTSI	1800x600x603	BS 5.21/3G	1400x800x600
DZB-TSI/52.5	60.87	15.00	-	225	52500	21xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/60.0	69.56	16.67	-	250	60000	24xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/67.5	78.26	17.33	-	2x130	67500	27xTSI	1800x600x603	BS 9.21/5G	2000x900x600
DZB-TSI/75.0	86.95	20.00	-	2x150	75000	30xTSI	2100x600x603	BS 9.21/5G	2000x900x600
DZB-TSI/82.5	95.65	23.33	-	2x175	82500	33xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/90.0	104.34	23.33	-	2x175	90000	36xTSI	2100x1200x603	BS 9.21/5G	2000x900x600
DZB-TSI/97.5	113.04	26.67	-	2x200	97500	39xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/105.0	121.73	30.00	-	2x225	105000	42xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/112.5	130.43	30.00	-	2x225	112500	45xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/120.0	139.12	33.33	-	2x250	120000	48xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/127.5	147.82	35.00	-	3x175	127500	51xTSI	2100x1200x603	BS 9.21/7G	2000x900x600
DZB-TSI/135.0	156.52	35.00	-	3x175	135000	54xTSI	2100x1800x603	BS 9.21/7G	2000x900x600
DZB-TSI/142.5	165.21	40.00	-	3x200	142500	57xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/150.0	173.91	40.00	-	3x200	150000	60xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/157.5	182.60	45.00	-	3x225	157500	63xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/165.0	191.30	45.00	-	3x225	165000	66xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/172.5	199.99	45.00	-	3x225	172500	69xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/180.0	208.69	50.00	-	3x250	180000	72xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/187.5	217.38	53.33	-	4x200	187500	75xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/195.0	226.08	53.33	-	4x200	195000	78xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/202.5	234.77	53.33	-	4x200	202500	81xTSI	2100x2400x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/210.0	243.47	53.33	-	4x200	210000	84xTSI	2100x2400x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/217.5	252.16	60.00	-	4x225	217500	87xTSI	2100x2400x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/225.0	260.86	60.00	-	4x225	225000	90xTSI	2100x2400x603	2xBS 9.21/6G	2x2000x900x600

Note: Battery reservoir has been designed in accordance with IEEE Std.450-1995, actual values multiply by 1.25 battery aging factor.
Contact **ETAG** Regional office for Customized DZB-TSI Inverter System configuration technical data.

DZB-TSI Static Inverter

DZB - TSI
INVERTER SYSTEMS CONFIGURATION ETAG
7.5kVA/225.0kVA (Standard Solutions)

3 PHASE (415VAC/50...60Hz) INPUT/3 PHASE (415VAC/50...60Hz) OUTPUT WITH 12 YEARS LONG LIFE VRLA BATTERY BANK/3 hrs.

INVERTER REFERENCE	FULL LOAD CURRENT IN AMPS	RECTIFIER/ CHARGER - Amps		BATTERY BANK (Ah)	INVERTER RACK			BATTERY CABINET	
		ULAD 1000/110	ULAD 4400/110		RATING (VA)	INVERTER 2.5kVA/110	DIMENSIONS (HxWxD in mm)	TYPE	DIMENSIONS (HxWxD in mm)
DZB-TSI/7.5	8.70	2.67	-	40	7500	3xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/15.0	17.39	6.00	-	90	15000	6xTSI	1800x600x603	BS 4.0/3G	1200x600x430
DZB-TSI/22.5	26.09	8.67	-	130	22500	9xTSI	1800x600x603	BS 4.20/3G	1400x600x600
DZB-TSI/30.0	34.78	11.67	-	175	30000	12xTSI	1800x600x603	BS 5.21/3G	1400x800x600
DZB-TSI/37.5	43.48	15.00	-	225	37500	15xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/45.0	52.17	16.67	-	250	45000	18xTSI	1800x600x603	BS 8.20/5G	1800x600x600
DZB-TSI/52.5	60.87	20.00	-	2x150	52500	21xTSI	1800x600x603	BS 9.21/5G	2000x900x600
DZB-TSI/60.0	69.56	23.33	-	2x175	60000	24xTSI	1800x600x603	BS 9.21/5G	2000x900x600
DZB-TSI/67.5	78.26	26.67	-	2x200	67500	27xTSI	1800x600x603	BS 9.21/6G	2000x900x600
DZB-TSI/75.0	86.95	30.00	-	2x225	75000	30xTSI	2100x600x603	BS 9.21/6G	2000x900x600
DZB-TSI/82.5	95.65	30.00	-	2x225	82500	33xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/90.0	104.34	33.33	-	2x250	90000	36xTSI	2100x1200x603	BS 9.21/6G	2000x900x600
DZB-TSI/97.5	113.04	35.00	-	3x175	97500	39xTSI	2100x1200x603	BS 9.21/7G	2000x900x600
DZB-TSI/105.0	121.73	40.00	-	3x200	105000	42xTSI	2100x1200x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/112.5	130.43	45.00	-	3x225	112500	45xTSI	2100x1200x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/120.0	139.12	45.00	-	3x225	120000	48xTSI	2100x1200x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/127.5	147.82	45.00	-	3x225	127500	51xTSI	2100x1200x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/135.0	156.52	50.00	-	3x250	135000	54xTSI	2100x1800x603	2xBS 9.21/5G	2x2000x900x600
DZB-TSI/142.5	165.21	53.33	-	4x200	142500	57xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/150.0	173.91	60.00	-	4x225	150000	60xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/157.5	182.60	60.00	-	4x225	157500	63xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/165.0	191.30	60.00	-	4x225	165000	66xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/172.5	199.99	60.00	-	4x225	172500	69xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/180.0	208.69	-	66.67	4x250	180000	72xTSI	2100x1800x603	2xBS 9.21/6G	2x2000x900x600
DZB-TSI/187.5	217.38	-	75.00	5x225	187500	75xTSI	2100x1800x603	3xBS 9.21/5G	3x2000x900x600
DZB-TSI/195.0	226.08	-	75.00	5x225	195000	78xTSI	2100x1800x603	3xBS 9.21/5G	3x2000x900x600
DZB-TSI/202.5	234.77	-	75.00	5x225	202500	81xTSI	2100x2400x603	3xBS 9.21/5G	3x2000x900x600
DZB-TSI/210.0	243.47	-	75.00	5x225	210000	84xTSI	2100x2400x603	3xBS 9.21/5G	3x2000x900x600
DZB-TSI/217.5	252.16	-	83.33	5x250	217500	87xTSI	2100x2400x603	3xBS 9.21/5G	3x2000x900x600
DZB-TSI/225.0	260.86	-	90.00	6x225	225000	90xTSI	2100x2400x603	3xBS 9.21/6G	3x2000x900x600

Note: Battery reservoir has been designed in accordance with IEEE Std.450-1995, actual values multiply by 1.25 battery aging factor.
Contact **ETAG** Regional office for Customized DZB-TSI Inverter System configuration technical data.

Plug-in & Build Inverter