



Technical Specifications

TG-Power Box EU Series

Model	TG 5510-EY1A1	TG 5520-EY1A1
Inverter		
Maximum PV Input Power	6500 W	
Rated Output Power	5500 W	
Maximum Charging Power	2880 W	
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	
Start-Up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	2 / 2 x 13 A	
GRID OUTPUT (AC)		
Nominal Output Voltage	208 / 220 / 230 / 240 VAC	
Output Voltage Range	184 - 264.5 VAC*	
Maximum Output Current	23.9 A*	
Maximum Conversion Efficiency (DC / AC)	96%	
European Efficiency @ Vnominal	95%	
AC INPUT		
AC Start-Up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range	170 - 280 VAC	
Maximum AC Input Current	40 A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	208 / 220 / 230 / 240 VAC	
Efficiency (DC to AC)	93%	
BATTERY Technical Specifications		
Nominal DC Voltage	51.2 VDC	
Battery Capacity	200Ah	400Ah
Maximum Charging Current	100 A	200 A
Dimension, D x W x H (mm)	214 x 621 x 500 (cell)	
Net Weight (kg)	103	206
Energy	10.24KWH	20.48KWH
Nominal Voltage	51.2 VDC	
Full Charge Voltage (FC)	56 V	
Full Discharge Voltage (FD)	45V	
Maximum Continuous Discharging Current	100 A	200A
Maximum Discharging Current	120 A at 1 min	240 A at 1 min
Protection	BMS, Breaker	
Standard Charge Method	0.2 C CC (Constant current) charge to FC, CV (Constant voltage FC) charge till charge current decline to < 0.05 C	
Inner Resistance	< 20 m Ohm	

*These figures may vary depending on different AC voltage and contry regulation.Product specifications are subject to change without further notice.