



DZ GROUP
THINKING FORWARD

ZEB-**Y Series TECHNICAL PARAMETER

MODELS	ZEB-10Y	ZEB-20Y	ZEB-30Y	ZEB-40Y	ZEB-50Y
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INVERTER / CHARGER

Inverter Type :	2 x 5 kW (total : 10 kW) /51,2V AC Hybrid inverter				
Rated Output Power :	10 kW				
Output Voltage Waveform :	Pure Sine Wave				
Output Voltage :	230 VAC 50HZ				
Low DC Warning Voltage :	44.8 Vdc				
Low DC Cut-off Voltage :	43.2 Vdc				
Low DC Warning Return Voltage :	44.8 Vdc				
Total Charging Current (Grid+Solar) :	100A max				
Bulk Charging Voltage :	58.6 Vdc				
Float Charging Voltage :	57.6 Vdc				
Temperature Protection :	PCB $\geq 95^{\circ}\text{C}$				
Communication Port :	RS485, optional for CAN / Dryport, Customized acceptable				
Primary Charging Protection :	202 A, délai : 20s				
Second Charging Protection :	205 A, délai : 10s				
Primary Discharging Protection :	202 A, délai : 10s				
Second Discharging Protection :	205 A, délai : 10ms				

LITHIUM IR ON BATTERY

Energy Storage :	10240 Wh	20480 Wh	30720 Wh	40960 Wh	51200 Wh
Battery Cells :	LiFePO4				
Life of cycle	10000 times 80% DOD 25°C				
Nominal Voltage :	51.2 V				
Nominal Capacity :	206 Ah				
OperationVoltage Range :	44.8–57.6 V				
Recommended Charging Voltage :	57.6 V $\pm 0.20\text{V}$				
Max Charging Voltage :	58.4 V $\pm 0.20\text{V}$				
Recommended Charging Current :	100 A				
Max Continuous Charging Current :	200 A				
Recommend Discharge Voltage :	48 V $\pm 0.50\text{V}$				
Max Discharge Voltage :	44.8 V $\pm 0.20\text{V}$				

AC INPUT

Nominal Input Voltage	230 Vac Settable : 208/220/230/240 Vac
Input Voltage Range	170 Vac -260 Vac
Frequency Range	50 Hz
Main Topology	L + N + PE
Minimum Input Voltage	90 Vac
Max. AC Input Voltage	280 Vac
Nominal Current (RMS)	22.7A
Max Current (RMS)	40A Max.

PV Input Parameter

Max PV Input power	10 kW
Max PV Input Voltage (Voc)	500V
MPPT tracking Range	120-450V
Max PV charging current :	200A
Number of MPPT :	2