



# EDO - TR DATA SHEET

## PV STRING INPUT

Max. Continuous PV Input Power	18kW
Max. DC Voltage	1100V
Nominal Voltage	720V
MPPT Voltage Range	140V-1000V
MPPT Range (Full Load)	420V-850V
Start Voltage	130V
MPPT Tracker / Strings	2/2
Max. Input Current Per MPPT	15A
Max. Short-circuit Current Per MPPT	20A

## BATTERY INPUT

Battery Type	51.2V
Nominal Battery Voltage	44V - 58V
Charging Voltage Range	160 A
Max. Charging Power	8kW
Max. Discharging Current	200 A
Max. Discharging Power	10kW

## AC OUTPUT (GRID)

Nominal AC Output Power	10kW
Max. AC Apparent Power	11kVA
Nominal AC Voltage	400Vac3W+N+PE
AC Grid Frequency Range	50/60Hz
Max. Output Current	16A
Max. Input Current	16A
Power Factor (cos)	0.8leading-0.8lagging*

## AC OUTPUT (BACKUP)

Output THDv (@Linear Load)	10kVA
Rated Output Power	9.2kW
Max. Output Current	14.5A
Nominal Output Voltage	400V
Nominal Output Frequency	50/60Hz $\pm$ 2%
Output THDv (@Linear Load)	<3% Linear Load

## PROTECTION

Anti-islanding Protection	Si
Output Over Current	Si
DC Reverse Polarity Protection	Si
String Fault Detection	Si
AC/DC Surge Protection	DC Tipo II; AC Tipo III
Insulation detection	Si
AC Short Circuit Protection	Si

## GENERAL SPECIFICATIONS

Max. PV Efficiency	97,60 %
Euro. PV Efficiency	97,00 %
Dimensions WxHxD	540*980*240mm
Weight	42kg
Operating Temperature Range	-20 °C ~ +60 °C
Noise (dB)	<25
Cooling Type	Natural Convection
Max. Operation Altitude	3000m (Derating 2000 m)
Operation Humidity	0~95% (No Condensation)
IP Class	IP65
Topology	Battery Isolation
Communication	RS485/CAN2.0/WIFI/4G
Display	LCD/APP
Max. Unit in Parallel	4
Max. Batteries for Inverter Unit	8

## E-CASA 5.1 BU

## BATTERY PACK SPECIFICATION

Rated Battery Voltage	51.2V
Battery Voltage Range	40~60 V
Max. Discharging Current	80A
Max. Charging Current	50A
Battery Switch	Bipolar DC Switch (125A/Pole)
Energy Capacity	5.12kWh
Battery Type	LFP (LifePO4)
Depth of Discharge (DoD)	90%
Rated Voltage	51.2V
Operating Voltage Range	44.8~57.6V
Internal Resistance	≤ 20 mΩ
Number of Cycles	10.000 cycles
Operating Temperature Range	0~+50 (charge)/-10~+50 (discharge)
Storage Temperature Range	-30~+60
Humidity	0% ~ 90%
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PBCA temperature measurement
Communications	CAN e RS-485
Ventilation Type	Raffreddamento attivo o passivo
Weight (Kg)	59
Dimensions (WxHxD) mm	540*490*240
IP Protection	IP65
Warranty	5 years on product, 10 years on performance*
Safety (Cell)	IEC 62619 UL 1973 UN 38.3

\*For warranty details, please refer to the EEI product warranty

**EEI - Equipaggiamenti Elettronici Industriali S.p.A.**

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[www.eei.it](http://www.eei.it)

## The all in one solution for Three-phase



AC Power 10 kW



Easy Installation



Capacity up to 40 kWh



Modular and Flexible



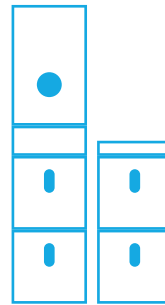
DC Power up to 18 kW



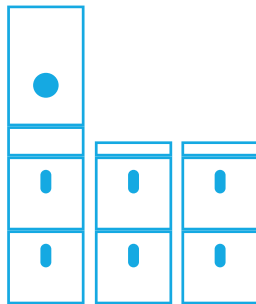
Suitable for Retrofit



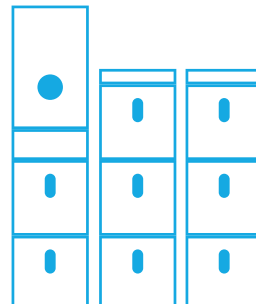
**EDO - TR**  
10 kW  
10,24 kWh



**EDO - TR PLUS**  
10 kW  
20,48 kWh



**EDO - TR EXT D 30**  
10 kW  
30,72 kWh



**EDO - TR EXT D 40**  
10kW  
40,96 kWh

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