



Three-phase Hybrid Inverter Shaping Sustainability

The Goneo three-phase hybrid inverter developed for solar storage in private households guarantees peak protection, silent operation, adaptability to generators, versatile operating modes, reliable uninterrupted power supply and maximum safety and dependability.



Safe and dependable



User-friendly and flexible



Economical and practical

Model		EUE2-PDT80	EUE2-PDT100	EUE2-PDT120
PV input	Max. PV input power [kW]	12	15	18
	Maximum PV voltage [V]		900	
	MPPT voltage range [V]		200 - 850	
	MPPT voltage range at full power [V]		240 - 850	
	Min. input voltage/starting voltage [V]		200	
	Max. input current per MPPT [A]		26+26	
	Max. short circuit current [A]		39+39	
	Number of MPPT trackers		2	
	Number of strings per MPPT tracker		2	
	PV nominal input voltage [V]		600	
AC output	Nominal power output into the network [kVA]	8	10	12
	Max. apparent power into the network [kVA]	8.8	11	13.2
	Max. apparent power from the network [kVA]	8.8	11	13.2
	Max. apparent power out of the network [A]	13.4	16.7	20
	Rated output current into the network [A]	12.1/11.6	15.2/14.5	18.2/17.4
	Max. output current into the network [A]	13.4	16.7	20
	Network nominal voltage [V]		3L/N/PE 380/400	
	Nominal network frequency [Hz]		50/60	
	THDI		< 2 %	
	Battery	Max. charging/discharge power [kW]		10
Battery voltage range [V]			180 - 600	
Optimum operating voltage range of the battery [V]			200 - 580	
Max. charging/discharge current [A]			30	
Nominal charging/discharge current [A]			30	
Battery type			Li-Ion	
Communications port			RS485 CAN	
EPS output	Nominal power output [kVA]	8	10	12
	Max. apparent power [kVA]	8.8	11	13.2
	Nominal output current [A]	12.1/11.6	15.2/14.5	18.2/17.4
	Max. output current [A]	13.4	16.7	20
	Nominal output voltage [V]		3L/N/PE 380/400	
	Nominal output frequency [Hz]		50/60	
	THDu		< 3 %	
	Max. efficiency factor		98.10 %	
	Efficiency factor Europe		97.50 %	
	MPPT efficiency factor		99.90 %	
	Max. efficiency factor during charging/discharge of battery		97.50 %	
System	Protection type		IP66	
	Operating temperature range [°C]		-25 to +60	
	Relative air humidity		5 % - 95 %	
	Operating height [m]		≤ 3000	
	Dimensions W x H x D [mm]		556 x 445 x 195	
	Net weight [kg]		≤ 27.5	
	Private consumption by night [W]		59 W	
	Cooling system		Natural	
	Noise emissions [dB]		≤ 42 dB	
	EMC		EN IEC 61000-6-1/-3	
	Grid-connected		EN 50549-1, EN 50549-10, VDE-AR-N 4105, DIN VDE V 0124-100, C10/11, PSE 2018-12-18	
Safety standard		IEC/EN 62109-1/-2		
EPS output	HMI		LED/APP	
	BMS		RS485 CAN	
	EMS/Counter		RS485 CAN	
	Supported communications interface		RS485 CAN	