

Technical Specifications Flexi 3.0 – 3-Phase Hybrid Storage Inverter (36 – 60 kW)

	EUE3-PDT3602	EUE3-PDT4002	EUE3-PDT4502	EUE3-PDT5002	EUE3-PDT6002
PV Input					
Max. input power (kW)	54	60	67.5	75	90
Max. PV voltage (V)	1000				
Rated DC Input Voltage (V)	620				
DC Input Voltage Range (V)	150-1000				
MPPT Voltage Range (V)	150-850				
Full MPPT Range (V)	500-850				
Start-up Voltage (V)	160				
Max. DC Input Current (A)	40*4				
Max. Short Current (A)	48*4				
No. of MPPT Tracker/Strings	4/8				
Battery Port					
Battery Nominal Voltage (V)	500				
Battery Voltage Range (V)	150-800				
Max. Charge/Discharge Current (A)	120				
Max. Charge/Discharge Power (kW)	36	40	45	50	60
Charging Curve	3 stages				
Compatible Battery Type	Li-ion / Lead-acid / sodium metal chloride battery				
AC Grid					
Nominal AC Output Power (kW)	36	40	45	50	60
Nominal Output Voltage (V)	54/39.6	60/44	67.5/49.5	75/55	90/66
Max. AC Output Current (A)	60.5	67	75.5	83.5	96
Nominal AC Voltage (V)	230/400				
Nominal AC Frequency (Hz)	50/60				
Power factor	1 default (adjustable from 0.8 leading to 0.8 lagging)				
Current THD (%)	<3				
AC Load Output (Back-up)					
Nominal Output Power (kVA)	36	40	45	50	60
Max. continuous power (kVA)	230/400				
Nominal Output Frequency (Hz)	50/60				
Max. AC Output Current (A)	60.5	67	75.5	83.5	96
Peak Output Power	39.6kVA, 60s	44kVA, 60s	49.5kVA, 60s	55kVA, 60s	66kVA, 60s
THDV (with linear load)	<3%				
Switching time (ms)	<10				
Efficiency					
Europe Efficiency (%)	98.20	98.30	98.30	98.30	98.30
Max. Efficiency (%)	98.60				
Battery Charge/Discharge Efficiency (%)	99.00				

	EUE3-PDT3602	EUE3-PDT4002	EUE3-PDT4502	EUE3-PDT5002	EUE3-PDT6002
Protection					
Reverse Polarity Protection	Yes				
Over Current / Voltage Protection	Yes				
Anti-islanding protection	Yes				
AC Short current protection	Yes				
Leakage Current Detection	Yes				
Ground fault monitoring	Yes				
Grid Monitoring	Yes				
Enclosure Protect Level	IP66				
AC/DC Surge Protection	Type II				
General Data					
Dimension (W * H * D, mm)	867*715*306				
Weight (kg)	81				
Topology	Transformerless				
Cooling Concept	Intelligent Fan				
Relative Humidity	0-100%				
Operating Temperature Range (°C)	-25 to 60				
Operating Altitude (m)	<4000				
Standby Consumption (W)	<100				
Display & Communication Interfaces	LCD, LED, RS485, CAN, WIFI, GPRS, 4G, Sunspec				
Certification & Approvals	NRS097, 999, EN50549-1, C10/C11, AS4777, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2				
EMC	EN61000-6-2, EN61000-6-4				